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PHYSICAL OCEANOGRAPHY REPORT:
CAMP-BASED and HELICOPTER-BASED STD DATA from the DRIFTING ICE STATION FRAM III

by T.O. Manley and Dennis B. Camp

TECHNICAL REPORT

LDGO - 85 - 8

Department of the Navy
Office of Naval Research
Contract N00014-84-C-0132

December 1985

LAMONT-DOHERTY GEOL. OBS.
ARCTIC OCEANOGRAPHY

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Lamont-Doherty Geological Observatory
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ABSTRACT

During the spring of 1981, a manned camp was established on a drifting ice floe north of Spitzbergen. During the 61 days of occupation, the Arctic Oceanography Department of Lamont-Doherty Geological Observatory obtained a total of 194 STD stations from the combined efforts of personnel in charge of camp-based and helicopter-based operations. This report describes the methods used in the acquisition and processing of the data and provides output for each cast.

The output consists of standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity, along with corresponding profiles of temperature, salinity and sigma-t.

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INTRODUCTION

Beginning in 1979, the Office of Naval Research reoriented its basic research activities from the Beaufort Sea of the western Arctic Ocean to the eastern Arctic Ocean located just north of the Fram Strait with the implementation of the FRAM series of experiments from 1979 to 1982. Although FRAM II (Dyer and Baggeroer, 1980) and FRAM IV were primarily focused toward underwater acoustics, FRAM I (Hunkins et al., 1979) and FRAM III (Manley et al., 1982a) were slanted toward geophysics and oceanography. Of the several different passages which connect the Arctic with the other oceans, Fram Strait, which lies between Greenland and Sptizbergen, is by far the most important. It is in this region that the major amount of heat, salt, and mass are exchanged with the world's oceans by way of the cooler and fresher outflowing polar waters and the inflowing warmer, more saline water from the Atlantic. Relatively speaking, the Arctic Ocean is one of the most poorly understood oceans, yet at the same time it may play a significant role in climatic variability (Barry, 1983).

In order to better understand the role that the Arctic plays in the determination and modification of climate, both locally and globally, important processes which control the transfer of heat, mass, and salt within the context of the very complex interactions of air, sea, and ice must be defined more quantitatively.

During the FRAM field experiments, the major concerns of the oceanographic team were: 1) a more quantitative look at the vertical heat exchange between the atmosphere and ocean through the ice cover (McPhee, 1980a, b), and 2) the spatial and temporal variability of the upper layer (less than 500 m) oceanic structure (horizontal and vertical) which resides beneath the permanent ice cover (Manley et al., 1982a; Baggeroer et al., 1985).

Ship-based research in the Arctic is highly restricted to the summer ice-free regions typically located over the bordering continental shelves and associated marginal ice zones where ice-concentration is highly variable. Research conducted within the deep interior of the Arctic must, however, be staged on 2-3 m thick sea ice or ice islands (continental tabular icebergs), such as the newly established Canadian Arctic Ice Island located near Ellesmere Island (MSID, 1985). These drifting manned ice camps are established and maintained, by necessity, by aircraft ranging in size from helicopters to C-130s (Heiberg and Hielscher, 1985).

Once established, the differential forcing of wind (and, therefore, stress) on the fragile sea ice cover may cause camp breakups like those at camps Big Bear and Snowbird during the Arctic Ice Dynamics Joint Experiment in 1975-1976 and FRAM III in 1981. The constant movement of the sea ice cover not only affects logistical operations, but also the interpretation of oceanographic measurements. If one can consider the ocean to be in steady state (time independent), then the observations can be easily interpreted regardless of the rather random drift track that the ice camp takes. For very large-scale or slowly varying processes this concept may still be acceptable, however, this concept breaks down when looking at highly variable structures such as oscillating fronts, eddies, and other short-term local dynamics. In these scenarios the time and space dependency of a vast majority of the observations taken from ice camps cannot be separated. As a result, the interpretation becomes suspect and confused.

This basic problem, as well as having no spatial control of station location, forced oceanographers to use aircraft as one of their basic tools to obtain rapid (nearly synoptic) views of the oceanic structure over rather large areas. In addition, it gave them the ability to continually remap specific areas allowing them to define temporal variability.

This report details the work that Lamont oceanographers have completed during the FRAM III Expedition with special detail given to the camp-based and helicopter-based C/STD data.

PHYSICAL OCEANOGRAPHY PROGRAM

Camp-Based CTD

Located at the main camp was a Mark III Neil Brown CTD system, with reel-to-reel audio recorder and a Hewlett-Packard 1000-M series computer. The audio recorder was used in recording the original FSK (up-the-line) signals, while the computer system acquired, plotted, and recorded data on 9-track tape.

Rigidly attached to the upper housing of the underwater unit was a General Oceanics 12-bottle rosette system. The underwater package (as it will now be called) was lowered through a 4 foot by 4 foot hydrohole which was cut through the ice floe and over which a heated 8 foot by 16 foot hut was placed.

Located directly outside the hut was the engine and hydraulic pack which ran the specially designed winch. The winch itself was equipped with 4200 m of Kevlar cable with two twisted-pair electrical wires.

CTD stations at the camp were nominally taken twice a day to 1500 m with occasional casts taken to the bottom. In order to make sure that data were taken to within 10 m of the bottom, a 12 khz pinger was also attached to the underwater housing. The 12 khz PDR which was also located in the same hut was then used to monitor very accurately the sensor's depth above the sea floor.

Bottle samples for calibration, as well as for geochemical analyses were also obtained on a regular basis throughout the water column.

As the camp drifted over the edge of the Yermak Plateau (Fig. 1), more stations were taken each day due to: 1) shallower water depth, 2) the need to provide simultaneous casts at times when helicopter stations were taken, and 3) an attempt to look at intrusive layering by successive yo-yo casts.

During this time period, a total of 115 CTD stations were taken, the positions of which were along the drift track of FRAM III (Fig. 1).

Helicopter-Based C/STD

Oceanographers at Lamont have expended a great deal of effort in the development of a helicopter-based C/STD system. This system was designed around the first commercially available, light weight, internally recording C/STD system (model 202) developed and marketed by Ocean Data Equipment.

A Bell 204 helicopter was used exclusively during the FRAM experiments and provided more than ample space for equipment, personnel and sensors. The

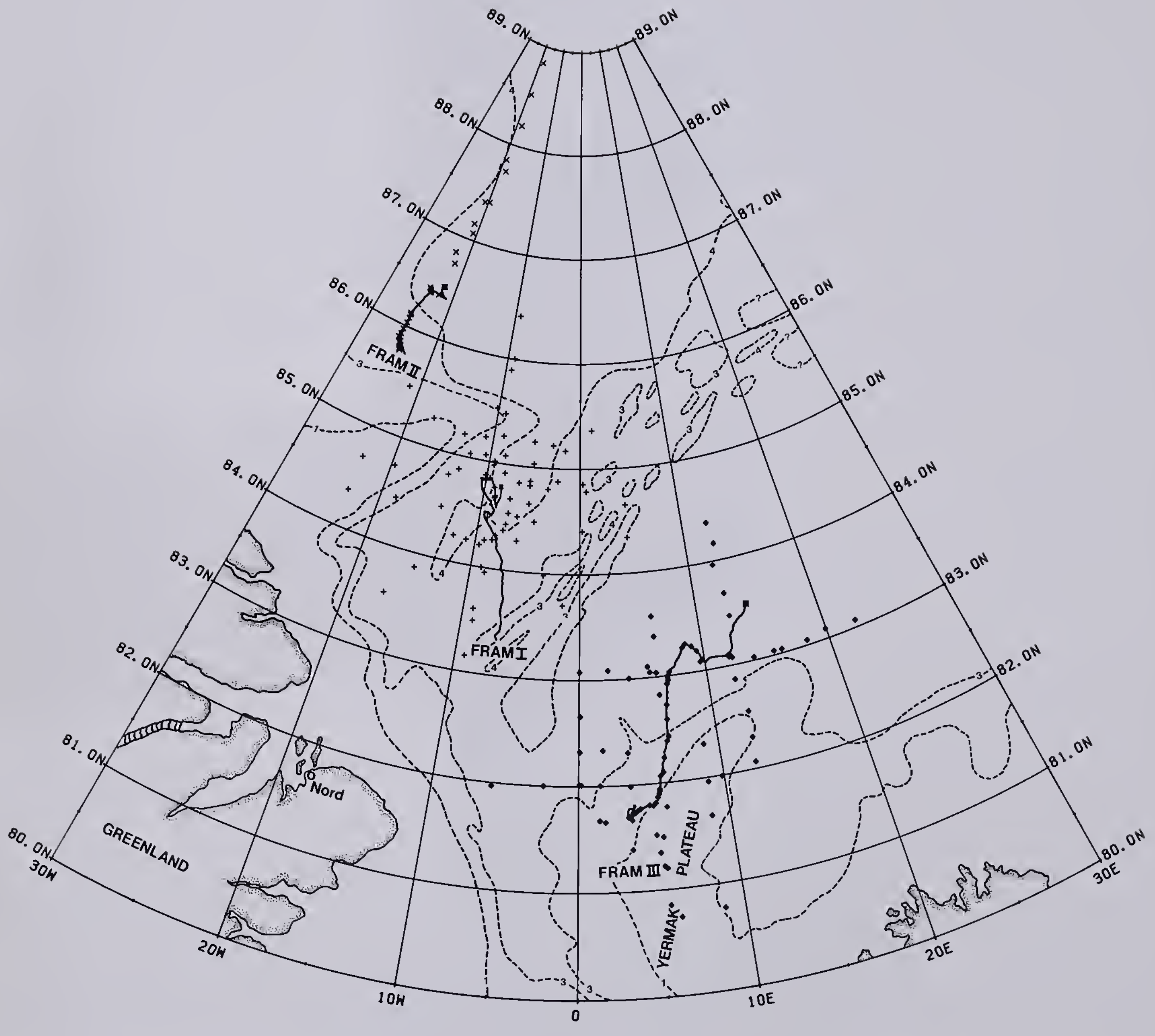

Figure 1 Positions of all helicopter-based CTD stations from drifting camps FRAM I, II and III in relation to Greenland, Spitzbergen and local bottom topography. Camp-based stations are not shown, however, they will lie on the drift track (solid line) of each individual camp. Crosses, plusses and diamonds define those helicopter-based stations taken from FRAM I, II and III, respectively. Dashed lines indicate bottom contours in km.

equipment normally taken on a survey consisted of a 2 kw 110 VAC generator, a winch, hand drill, and chainsaw. The generator supplied power for the hand drill which, in turn, ran the winch. The winch itself was small, light weight, and was equipped with 500 m of 5/32 inch Kevlar cable. An aluminum cantilever/tripod was attached to the base of the winch while on station and was used to guide the CTD cable through man-made holes in the ice or over rough edges of ice floe.

Total weight of the system (including miscellaneous equipment) was approximately 200 pounds. Navigation was via OMEGA/VLF and was good to plus or minus 300 m at those latitudes. Normal distances of surveys extending away from the main camp were from 50 to 80 km, although distances up to 150 km were occasionally reached.

The model 202 C/STD underwater unit consisted of self-contained sensing and recording packages which were mechanically and electrically coupled together into a single unit measuring 18 cm (7 inches) in diameter, 110 cm (4.3 feet) long and weighing 32 kgs. Values of pressure, temperature, and conductivity were always recorded at the fastest sampling rate of 5 scans per second, with digital resolution of 12 bits over the selected range of each sensor. After a sufficient amount of data were stored in the system's memory, the data were then transfered to cassette tape. A normal cassette was capable of storing some 1.6 Mbits of data, or in terms of actual operation, nearly 1.5 hours. Normally at the completion of each helicopter CTD station, the cassette was checked for proper advancement and replaced with a new one for the next station. Even though actual duration of the station was short (roughly 30 minutes), this was the safest method to insure that the data were actually recorded and that the tape was not exhausted in the midst of a future cast.

Typical duration of the rechargeable battery pack for the sonde was roughly five hours at the low, near freezing temperatures of the water column (-1.8 degrees C to 3.0 degrees C). Although the actual "on time" of the underwater unit was governed primarily by the depth of the cast and the lowering and raising rate, five to eight stations to depths of 300 m were normally obtained within any given survey.

Raw digital data residing on the cassettes were then converted into nearly final plots of pressure, temperature, and salinity with use of the reader/display deck unit which had the most recent calibration equations of the individual sensors incorporated into its software. Using this information, horizontal plan views, as well as vertical cross-sections of the temperature and salinity fields in the upper layers could be produced back at the camp. Depending on the features observed, or lack thereof, the next day's field operations were then scheduled.

Using this mode of operation, a total of 79 helicopter-based C/STD stations were obtained during the FRAM III experiment. Several of these were taken at the camp to provide intercalibration runs with the Neil Brown. The positions of these helicopter-based stations are shown in Fig. 1. A more detalied description of helicopter field operations during FRAM I and III are given by Manley et al., 1982.

C/STD DATA PROCESSING

During the field program, the 202 pressure transducer became inoperative and was replaced with one from the Neil Brown CTD system spares. The replacement was of a much deeper sensor, and, as a result, decreased the depth resolution of the 202. Fortunately, the depth channel was recalibrated in the field by way of intercalibration stations with the Neil Brown.

Prior to decimation, the intercomparison stations were rerun to provide more exact information on pressure calibration and possible long-term drift of the two different 202 pressure tranducers compared to the Neil Brown. From this analysis, no long-term drift was observed and only slight calibration differences were applied to the ODEC data prior to decimation.

Since the pre- and post-cruise calibrations of the helicopter unit (completed at Northwest Regional Calibration center, NWRCC) and the Neil Brown unit (completed at WHOI) showed no significant deviations of the remaining sensors, no other precursory calibrations were required before processing the data.

Temperature lag coefficients, τ , for each sensor were required, however, prior to decimation in order to better match the temperature and conductivity data. This was accomplished by intercomparing the up- and downtraces of random stations throughout the entire data set using different time constants. Best fit for a given station was determined when the ascending and decending parts of the cast on a T-S diagram were nearly congruent. From these comparisons it was determined that the best overall fits occurred when τ was set at 0.0 and 0.10 seconds for pre- and post-transducer replacement on the 202, and 0.0 seconds for the Neil Brown.

Due to a combination of software and hardware problems, many of the camp-based stations were not recorded on 9-track tape. As a result, audio tapes were used to reconstruct these stations back into 9-track data and produced typically noisier than ususal data. Even those stations recorded on 9-track were found to be somewhat noisy, although subsequent processing cleared up most of these problems.

Raw data from each instrument were filtered into a uniform pressure series (1.0 db) using a linear interpolation scheme with a window of 7 scans centered around the desired level.

As mentioned earlier, a majority of the camp-based stations (reproduced via audio conversion, as well as digital) were somewhat noisy. Similar results were also seen in the helicopter data, although this was caused primarily by the decreased depth resolution of the 202 resulting from the newer, wider-range pressure transducer. In order to accomplish the required smoothing and be consistent over all stations, two successive 5-point filters were used on all of the decimated data.

Irregularities or spikes in the decimated data were then subjectively removed. In most cases these were single points that were taken out and did not interrupt the uniform pressure series. Occasionally, segments of data would have to be removed and would either be replaced by interpolated data or left alone. Again, these decisions were subjective and depended largely on the local conductivity and temperature structure.

At the same time, the upper 4 meters of data (estimated thickness of the ice) were automatically removed from each station. This was done to prevent misinterpretations of the results which were attributable to the methodology of taking the station (i.e., through hydroholes, seal holes or off the edge of a floe).

STD CALIBRATION

Bottle data provided the final calibration for the salinity data and proved to be the most difficult procedure to perform since it was found that the rosette system was misfiring roughly half-way through the experiment (i.e., a single trip on the deck unit might fire one or two bottles on the rosette). Therefore, some of the salinity bottles obtained for calibration purposes gave erroneous results.

In order to objectively remove the bad data, a quadratic least-squares best-fit equation was determined for the salinity differences (Neil Brown minus bottle) versus pressure. After each run, all bottle differences outside a window of 1 standard deviation from the calculated curve were thrown out. With the remaning values, a new best-fit equation and associated standard deviation were then calculated. This process was completed three times and yielded a pressure dependent salinity calibration equation with a standard deviation of .02°/oo (Fig. 2).

The Neil Brown salinity data were then recalculated using the determined equation. ODEC salinities were then compared to those of the Neil Brown at several pressure levels during the intercalibration stations. Salinity differences showed that there was only a minor offset that needed to be applied to the ODEC salinity data to make it conform to the calibrated Neil Brown data.

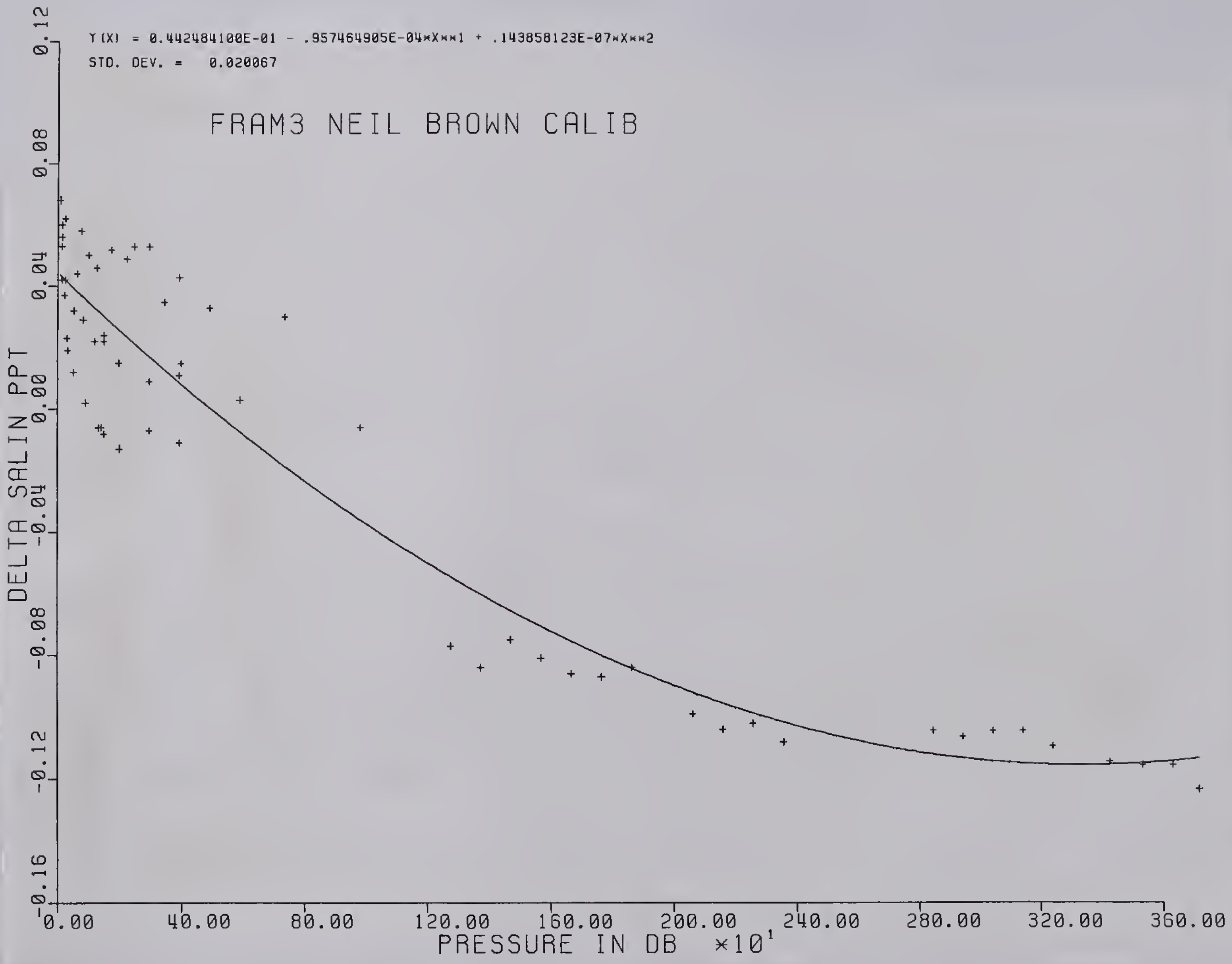

Figure 2 Final least-squares best-fit equation for salinity differences (Neil Brown minus bottle) versus pressure. The equation is defined in the upper left hand corner and plotted in relation to the bottle differences (DELTA SALIN) in ppt.

OUTPUT FORMAT OF FINAL DATA

Output of the final data is provided in three different formats consisting of 1) station headers, 2) standard level listings, and 3) profiles of temperature, salinity and sigma-t (T,S,σ_t) versus depth.

A station header listing provides a quick glance reference to all the basic station information and is found directly in front of the data section. The information contained within these listings includes the camp identification; consecutive station number; a ship designation; the day, month, year, corresponding Julian day of the start of the station; a processing code; the minimum and maximum depths contained within the profile; and finally, the station position and associated position errors. Table 2 defines more explicitly the meanings and abbreviations used in the station header listings.

In general, two profiles of T,S, and σ_t are graphically shown on one page of the data report. On the facing page, the corresponding standard level listings of the station are shown. The standard level data consist of the parameters relating to the station, and in some cases are abbreviated to save space. The meanings of these abbreviated terms are given in Table 2.

TABLE 1

DEFINITIONS AND MEANINGS OF ABBREVIATED TERMS

FOR STATION HEADER LISTINGS

CAMP	Project Identifier
SH	Code defines whether station was taken with Neil Brown or ODEC model 202 C/STD CP = Neil Brown HE = ODEC model 202
STAT	CTD Station Number
MODE	1 implies downtrace 2 implies uptrace
DAY	Day of Station
MON	Month of Station
YR	Year of Station
TIME	GMT Time of Station
CODE	Processing Code, see Table 2
JULDAY	Julian Day (decimal) of station (1.0 = 1 Jan 1981)
D.MIN	Minimum Depth (meters) of station
D.MAX	Maximum Depth (meters) of station
LATITUDE	Latitude of station in decimal degrees
LONGITUDE	Longitude of station in decimal degrees (+ indicates East Longitude) (- indicates West Longitude)
LAT.ERR	Error of Latitude Position in meters
LNG.ERR	Error of Longitude Position in meters

TABLE 2

DEFINITIONS AND MEANINGS OF ABBREVIATED TERMS FOR STANDARD LEVEL LISTINGS

Station xxx (y)	Station number (xxx) and mode of trace (y) where:
CTD	Station taken with CTD y = 1 indicates downtrace y = 2 indicates uptrace
GMT	Times shwon are Greenwich Mean Time
Code = I	Processing Code where if I =
	A) 1 -> 5 profile contains both temperature and salinity data.
	1) data from magnetic tape
	2) data from manual digitization of analog charts
	3) filtered in salinity only
	4) filtered in temperature only
	5) filtered in both temperature and salinity
	B) 11 -> 13 profile is in salinity only
	11) data from magnetic tape
	12) data from manual digitization of analog charts
	13) filtered
	C) 21 -> 23 profile in temperature only
	21) data from magnetic tape
	22) data from manual digitization of analog charts
	23) filtered
LAT	Latitude in decimal degrees N (North)
LONG	Longitude in decimal degrees W (West), E (East)
LTER	Estimate of positional error for latitude in meters
LGER	Estimate of positional error for longitude in meters
AIR TEMP	Air temperature in deg. C (0 implies no data)
BAROM	Barometric pressure in millibars (0 implies no data)
WIND	Wind direction in degrees true north (0 implies no data)
SPEED	Wind speed in meters/sec (0 implies no data)

TABLE 2 (continued)

LISTING PARAMETERS

DEPTH	Depth in meters
TEMP	Temperature in degrees C
PTEMP	Potential temperature in degrees C
SALIN	Salinity in parts per thousand
SIG T	Sigma-t density where: density (gm/cm^3) = 1.0 ((Sig T) * 1000.0)
SPVOL	Specific volume anomaly ($x\ 10^{-5} cm^3/gm$)
DYNHT	Dynamic height (dynamic meters)
SOUND	Sound velocity in meters/sec calculated from Matthews equation

The main body of the numerical listings consists of values of temperature, potential temperature, salinity, sigma-t (σ_t), specific volume anomaly, dynamic height and sound velocity against various interpolated levels of depth. Since upper surface layer data may be omitted from the data set (ice thickness removal), surface (0 m) values of temperature and salinity are duplicated from the first data seen in the cast. The actual first and last levels of the data are shown as the first value below the depth of 0.0 meters and the last value of the listing, respectively.

Corresponding profiles of temperature, salinity and sigma-t for each standard level listing are shown on the facing page. The label at the end of each trace (T,S, or σ_t) indicates the parameter of temperature, salinity and sigma-t, respectively. Scales at the upper part of the diagram are labeled to correspond to the parameters and are also shifted with respect to one another to provide the maximum amount of clarity of the traces. Depth is in meters. Station identification of the profiles is in the lower left hand corner and in the following format:

FRAM III STN-MOD
MONTH - DAY - YEAR

where

STN is the station number
MOD is the mode (1 = downtrace)
(2 = uptrace)

Those stations having depths greater than 700 m are placed on a single page. The corresponding profiles are broken up into a typical 0 to 700 m plot on the left side, which is consistent with all other profiles in the report, as well as the 0 to 4000 m plot which shows the remainder of the data and can be used to intercompare other deep stations, if desired.

ACKNOWLEDGMENTS

The field work and preliminary data processing were supported by the Office of Naval Research under contract N00014-76-C-004, while final data processing and publication of this report was funded under contract N00014-84-C-0132 and Lamont institutional funds. Jay Ardai and Ken Hunkins acquired the vast majority of the helicopter data. Bruce Huber and Bill Haines continually helped us with the technical end of data processing, and we are gratefully indebted to them. Last, but not least, we wish to acknowledge the efforts of the helicopter crew on FRAM III, who we knew well from FRAM I. Our thanks for their continual efforts and help.

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STD DATA

The helicopter- and camp-based stations, although numbered differently in the field, have since been interwoven into a continuous (time sequential) data set and are presented in the following pages.

At the beginning of the main data section, a complete station header listing is given, again to further aid the user in more efficient use of the report. The abbreviated headings and their meanings are given in Table 1.

CAMP	SH	STAT	MODE	DY	MON	YR	TIME	CODE	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT.ERR	LNG.ERR
FRAM 3	HE	1	1	30	MAR	81	2000	5	89.8333	4.0	233.3	83.46670	12.68330	300.0	300.0
FRAM 3	HE	2	2	30	MAR	81	2108	5	89.8806	4.0	270.9	83.68330	12.63330	300.0	300.0
FRAM 3	HE	3	2	30	MAR	81	2208	5	89.9222	4.0	270.9	83.96670	12.18330	300.0	300.0
FRAM 3	HE	4	1	4	APR	81	1433	5	94.6062	4.0	502.9	84.16330	12.66000	300.0	300.0
FRAM 3	HE	5	1	4	APR	81	1535	5	94.6493	10.9	503.9	84.37330	12.41830	300.0	300.0
FRAM 3	HE	6	1	7	APR	81	1320	5	97.5556	4.0	502.0	83.07330	12.22170	300.0	300.0
FRAM 3	CP	7	1	7	APR	81	1331	5	97.5632	4.0	3373.7	83.07720	10.03480	30.0	30.0
FRAM 3	HE	8	1	7	APR	81	1508	5	97.6306	4.0	503.9	83.03170	13.88170	300.0	300.0
FRAM 3	CP	9	1	8	APR	81	907	5	98.3799	4.0	1064.7	83.08480	9.95720	30.0	30.0
FRAM 3	CP	10	1	8	APR	81	1416	5	98.5944	4.0	391.4	83.09480	9.90170	30.0	30.0
FRAM 3	HE	11	1	8	APR	81	1706	5	98.7125	4.0	493.1	83.10180	9.86370	30.0	30.0
FRAM 3	CP	12	2	8	APR	81	1716	5	98.7194	4.0	490.1	83.10180	9.86370	30.0	30.0
FRAM 3	HE	13	1	9	APR	81	1038	5	99.4431	4.0	497.0	83.19630	9.49570	30.0	30.0
FRAM 3	CP	14	1	9	APR	81	1146	5	99.4903	4.0	2669.7	83.20180	9.46720	30.0	30.0
FRAM 3	HE	15	1	9	APR	81	2123	5	99.8910	4.0	492.1	83.24630	9.10920	30.0	30.0
FRAM 3	HE	16	1	10	APR	81	1020	5	100.4306	4.0	494.1	83.27500	8.63570	30.0	30.0
FRAM 3	CP	17	1	10	APR	81	1649	5	100.7007	4.0	1462.9	83.25730	8.42070	30.0	30.0
FRAM 3	HE	18	1	10	APR	81	2055	5	100.8715	4.0	498.0	83.24630	8.34930	30.0	30.0
FRAM 3	CP	19	1	11	APR	81	815	5	101.3438	4.0	1462.9	83.20470	8.18070	30.0	30.0
FRAM 3	CP	20	1	11	APR	81	1500	5	101.6250	4.0	1459.0	83.17530	8.02750	30.0	30.0
FRAM 3	CP	21	1	11	APR	81	1958	5	101.8319	4.0	1458.0	83.15880	7.94870	30.0	30.0
FRAM 3	CP	22	1	12	APR	81	830	5	102.3542	4.0	1461.9	83.12250	7.67150	30.0	30.0
FRAM 3	CP	23	1	12	APR	81	1123	5	102.4743	4.0	1462.9	83.11250	7.64370	30.0	30.0
FRAM 3	CP	24	1	12	APR	81	1453	5	102.6201	4.0	1461.0	83.09750	7.59930	30.0	30.0
FRAM 3	HE	25	1	13	APR	81	215	5	103.0938	4.0	289.7	83.07350	7.40970	30.0	30.0
FRAM 3	CP	26	1	13	APR	81	807	5	103.3382	6.9	1463.9	83.06770	7.32530	30.0	30.0
FRAM 3	HE	27	1	13	APR	81	1435	5	103.6076	4.0	496.0	83.03830	16.16670	300.0	300.0
FRAM 3	CP	28	1	13	APR	81	1452	5	103.6194	4.0	1464.9	83.06120	7.26380	30.0	30.0
FRAM 3	CP	29	1	13	APR	81	1950	5	103.8264	4.0	1457.0	83.05380	7.21550	30.0	30.0
FRAM 3	HE	30	1	13	APR	81	2225	5	103.9340	4.0	498.0	83.07000	22.39500	300.0	300.0
FRAM 3	HE	31	1	13	APR	81	2334	5	103.9819	4.0	498.0	83.09170	19.94830	300.0	300.0
FRAM 3	CP	32	1	14	APR	81	811	5	104.3410	4.0	1459.0	83.03980	7.11870	30.0	30.0
FRAM 3	CP	33	1	14	APR	81	943	5	104.4049	4.0	492.1	83.03630	7.11400	30.0	30.0
FRAM 3	HE	34	1	14	APR	81	946	5	104.4069	4.0	491.1	83.03630	7.11400	30.0	30.0
FRAM 3	CP	35	1	14	APR	81	1355	5	104.5799	4.9	1461.0	83.02830	7.07770	30.0	30.0
FRAM 3	CP	36	1	14	APR	81	1953	5	104.8285	4.9	1617.1	83.01220	7.02380	30.0	30.0
FRAM 3	HE	37	1	14	APR	81	2243	5	104.9465	4.0	498.0	83.00600	6.99100	30.0	30.0
FRAM 3	CP	38	1	15	APR	81	903	5	105.3771	4.9	1509.1	82.98450	6.94730	30.0	30.0
FRAM 3	CP	39	1	15	APR	81	1019	5	105.4299	4.0	490.1	82.98250	6.95170	30.0	30.0
FRAM 3	HE	40	1	15	APR	81	1021	5	105.4313	4.0	488.1	82.98250	6.95170	30.0	30.0
FRAM 3	CP	41	1	15	APR	81	1402	5	105.5847	4.0	1459.0	82.97670	6.96430	30.0	30.0
FRAM 3	HE	42	1	15	APR	81	1410	5	105.5903	4.0	500.0	83.07670	-0.05000	300.0	300.0
FRAM 3	HE	43	1	15	APR	81	1513	5	105.6340	4.0	498.0	83.08830	2.30000	300.0	300.0
FRAM 3	HE	44	1	15	APR	81	1610	5	105.6736	4.0	498.0	83.00500	3.92000	300.0	300.0
FRAM 3	HE	45	1	15	APR	81	1708	5	105.7139	4.0	498.0	83.10500	5.45000	300.0	300.0
FRAM 3	CP	46	1	15	APR	81	1948	5	105.8250	4.0	1455.1	82.96700	6.98380	30.0	30.0
FRAM 3	HE	47	1	15	APR	81	2117	5	105.8868	4.0	500.0	83.08500	11.97330	300.0	300.0
FRAM 3	HE	48	1	15	APR	81	2225	5	105.9340	4.0	498.0	83.09000	9.64500	300.0	300.0
FRAM 3	CP	49	1	16	APR	81	821	5	106.3479	4.0	1459.0	82.96080	6.95100	30.0	30.0
FRAM 3	CP	50	1	16	APR	81	1323	5	106.5576	51.4	491.1	82.95830	6.92520	30.0	30.0
FRAM 3	HE	51	1	16	APR	81	1324	5	106.5583	4.0	491.1	82.95830	6.92520	30.0	30.0
FRAM 3	CP	52	1	16	APR	81	1348	5	106.5750	4.0	1456.0	82.95770	6.92250	30.0	30.0
FRAM 3	CP	53	1	16	APR	81	2010	5	106.8403	4.0	1455.1	82.94600	6.88780	30.0	30.0
FRAM 3	CP	54	1	17	APR	81	827	5	107.3521	4.9	1461.9	82.92770	6.81530	30.0	30.0
FRAM 3	HE	55	1	17	APR	81	1008	5	107.4222	4.0	489.1	82.92580	6.81600	30.0	30.0
FRAM 3	CP	56	1	17	APR	81	1008	5	107.4222	4.0	491.1	82.92580	6.81600	30.0	30.0
FRAM 3	CP	57	1	17	APR	81	1404	5	107.5861	6.9	1457.0	82.91700	6.81320	30.0	30.0
FRAM 3	CP	58	1	17	APR	81	2010	5	107.8403	4.0	1453.1	82.90020	6.79670	30.0	30.0
FRAM 3	CP	59	1	18	APR	81	834	5	108.3569	5.9	1457.0	82.86780	6.76200	30.0	30.0
FRAM 3	HE	60	1	18	APR	81	1003	5	108.4188	4.0	496.0	83.08500	12.15670	300.0	300.0
FRAM 3	CP	61	1	18	APR	81	1101	5	108.4590	6.9	1457.0	82.85930	6.76420	30.0	30.0
FRAM 3	HE	62	1	18	APR	81	1236	5	108.5250	4.0	493.1	82.54500	12.53330	300.0	300.0
FRAM 3	HE	63	1	18	APR	81	1648	5	108.7000	4.0	501.0	82.30000	12.43830	300.0	300.0
FRAM 3	HE	64	1	18	APR	81	1800	5	108.7500	4.0	497.0	82.07000	12.29170	300.0	300.0
FRAM 3	CP	65	1	18	APR	81	2019	5	108.8465	4.0	1502.2	82.83770	6.74630	30.0	30.0
FRAM 3	CP	66	1	19	APR	81	1428	5	109.6028	4.0	3558.7	82.80630	6.71150	30.0	30.0
FRAM 3	CP	67	1	19	APR	81	1939	5	109.8187	4.0	1457.0	82.80120	6.72620	30.0	30.0
FRAM 3	CP	68	1	20	APR	81	811	5	110.3410	4.0	1517.9	82.77720	6.66700	30.0	30.0
FRAM 3	CP	69	1	20	APR	81	1355	5	110.5799	4.0	1577.8	82.73750	6.63880	30.0	30.0
FRAM 3	CP	70	1	20	APR	81	1530	5	110.6458	4.0	502.0	82.72870	6.62620	30.0	30.0

CAMP	SH	STAT	MODE	DY	MON	YR	TIME	CODE	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT.ERR	LNG.ERR
FRAM 3	HE	71	1	20	APR	81	1532	5	110.6472	4.0	502.9	82.72870	6.62620	30.0	30.0
FRAM 3	CP	72	1	20	APR	81	1911	5	110.7993	4.0	3648.2	82.70730	6.60530	30.0	30.0
FRAM 3	CP	73	1	21	APR	81	828	5	111.3528	4.0	1593.5	82.51780	6.50050	30.0	30.0
FRAM 3	CP	74	1	21	APR	81	1057	5	111.4562	4.0	499.0	82.59480	6.54200	30.0	30.0
FRAM 3	HE	75	1	21	APR	81	1058	5	111.4569	4.0	500.0	82.59480	6.54200	30.0	30.0
FRAM 3	CP	76	1	21	APR	81	1409	5	111.5896	4.0	1947.6	82.57020	6.51000	30.0	30.0
FRAM 3	HE	77	1	22	APR	81	1431	5	112.6049	4.0	482.2	82.38950	6.38170	30.0	30.0
FRAM 3	HE	78	1	23	APR	81	1431	5	113.6049	4.0	494.1	82.83170	6.15830	300.0	300.0
FRAM 3	CP	79	1	23	APR	81	1535	5	113.6493	4.9	2318.8	82.30870	6.14330	30.0	30.0
FRAM 3	HE	80	1	23	APR	81	1542	5	113.6542	4.0	499.0	83.04170	6.06500	300.0	300.0
FRAM 3	HE	81	1	23	APR	81	1704	5	113.7111	4.0	500.0	83.38330	6.15500	300.0	300.0
FRAM 3	HE	82	1	23	APR	81	1804	5	113.7528	4.0	498.0	83.57500	6.07330	300.0	300.0
FRAM 3	CP	83	1	23	APR	81	2215	5	113.9271	4.0	1459.0	82.28950	6.06520	30.0	30.0
FRAM 3	CP	84	1	24	APR	81	910	5	114.3819	14.8	1726.0	82.25400	6.09680	30.0	30.0
FRAM 3	CP	85	1	24	APR	81	1113	5	114.4674	4.0	489.1	82.24300	6.06770	30.0	30.0
FRAM 3	HE	86	1	24	APR	81	1114	5	114.4681	4.0	488.1	82.24300	6.06770	30.0	30.0
FRAM 3	CP	87	1	24	APR	81	1349	5	114.5757	5.9	1443.3	82.22680	6.03120	30.0	30.0
FRAM 3	CP	88	1	24	APR	81	2302	5	114.9597	4.0	1290.0	82.18450	5.88330	30.0	30.0
FRAM 3	CP	89	1	25	APR	81	839	5	115.3604	4.0	1182.8	82.14980	5.88050	30.0	30.0
FRAM 3	HE	90	1	25	APR	81	1350	5	115.5764	4.0	497.0	81.77500	5.92000	300.0	300.0
FRAM 3	CP	91	1	25	APR	81	1417	5	115.5951	4.0	1204.4	82.11020	5.77470	30.0	30.0
FRAM 3	CP	92	1	25	APR	81	1529	5	115.6451	8.9	491.1	82.10200	5.75780	30.0	30.0
FRAM 3	HE	93	1	25	APR	81	1531	5	115.6465	4.0	489.1	82.10200	5.75780	30.0	30.0
FRAM 3	CP	94	1	25	APR	81	2019	5	115.8465	4.0	1227.1	82.07450	5.69100	30.0	30.0
FRAM 3	CP	95	1	25	APR	81	2133	5	115.8979	4.0	490.1	82.06770	5.65630	30.0	30.0
FRAM 3	HE	96	1	25	APR	81	2135	5	115.8993	4.0	488.1	82.06770	5.65630	30.0	30.0
FRAM 3	CP	97	1	26	APR	81	1202	5	116.5014	4.0	1090.3	82.00520	5.59630	30.0	30.0
FRAM 3	HE	98	1	26	APR	81	1210	5	116.5069	4.0	500.0	81.49330	5.51500	300.0	300.0
FRAM 3	CP	99	1	26	APR	81	1307	5	116.5465	4.0	1089.3	81.99980	5.58830	30.0	30.0
FRAM 3	HE	100	1	26	APR	81	1320	5	116.5556	4.0	498.0	81.35170	5.58830	300.0	300.0
FRAM 3	CP	101	1	26	APR	81	1419	5	116.5965	4.0	1033.2	81.99450	5.58270	30.0	30.0
FRAM 3	HE	102	1	26	APR	81	1431	5	116.6049	4.0	499.0	80.85330	5.59500	300.0	300.0
FRAM 3	CP	103	1	26	APR	81	2042	5	116.8625	25.7	973.2	81.96930	5.55520	30.0	30.0
FRAM 3	HE	104	1	26	APR	81	2100	5	116.8750	4.0	501.0	81.98670	3.55330	300.0	300.0
FRAM 3	CP	105	1	26	APR	81	2131	5	116.8965	4.0	953.5	81.96500	5.52820	30.0	30.0
FRAM 3	CP	106	1	26	APR	81	2204	5	116.9194	4.0	962.3	81.96500	5.52820	30.0	30.0
FRAM 3	HE	107	1	26	APR	81	2205	5	116.9201	4.0	493.1	82.00830	1.49170	300.0	300.0
FRAM 3	CP	108	1	26	APR	81	2244	5	116.9472	20.8	962.3	81.96330	5.52820	30.0	30.0
FRAM 3	CP	109	1	27	APR	81	849	5	117.3674	4.0	936.7	81.95300	5.61280	30.0	30.0
FRAM 3	CP	110	1	27	APR	81	1127	5	117.4771	4.0	494.1	81.95150	5.61320	30.0	30.0
FRAM 3	HE	111	1	27	APR	81	1129	5	117.4785	4.0	496.0	81.95150	5.61320	30.0	30.0
FRAM 3	HE	112	1	27	APR	81	1409	5	117.5896	4.0	500.0	82.30830	3.50830	300.0	300.0
FRAM 3	CP	113	1	27	APR	81	1447	5	117.6160	4.0	901.3	81.94600	5.55770	30.0	30.0
FRAM 3	HE	114	1	27	APR	81	1512	5	117.6333	4.0	498.0	82.34000	1.73000	300.0	300.0
FRAM 3	CP	115	1	27	APR	81	1518	5	117.6375	4.0	895.4	81.94550	5.55650	30.0	30.0
FRAM 3	HE	116	1	27	APR	81	1631	5	117.6882	4.0	497.0	81.66170	1.81000	300.0	300.0
FRAM 3	CP	117	1	27	APR	81	1646	5	117.6986	4.0	882.6	81.94000	5.54770	30.0	30.0
FRAM 3	CP	118	1	27	APR	81	1735	5	117.7326	4.0	877.6	81.93680	5.54280	30.0	30.0
FRAM 3	HE	119	1	27	APR	81	1736	5	117.7333	4.0	498.0	81.67170	3.57000	300.0	300.0
FRAM 3	CP	120	1	27	APR	81	2013	5	117.8424	4.0	869.8	81.93270	5.53180	30.0	30.0
FRAM 3	CP	121	1	28	APR	81	922	5	118.3903	9.9	490.1	81.93050	5.51870	30.0	30.0
FRAM 3	HE	122	1	28	APR	81	927	5	118.3937	4.0	491.1	81.93050	5.51870	30.0	30.0
FRAM 3	CP	123	1	28	APR	81	1005	5	118.4201	4.0	866.8	81.93000	5.52220	30.0	30.0
FRAM 3	CP	124	1	28	APR	81	1454	5	118.6208	4.0	860.9	81.92220	5.52250	30.0	30.0
FRAM 3	CP	125	1	28	APR	81	2132	5	118.8972	4.0	844.1	81.90650	5.48220	30.0	30.0
FRAM 3	CP	126	1	29	APR	81	913	5	119.3840	4.0	492.1	81.90330	5.46480	30.0	30.0
FRAM 3	HE	127	1	29	APR	81	917	5	119.3868	4.0	493.1	81.90330	5.46480	30.0	30.0
FRAM 3	CP	128	1	29	APR	81	1050	5	119.4514	4.0	838.2	81.90270	5.46620	30.0	30.0
FRAM 3	HE	129	1	29	APR	81	1116	5	119.4694	4.0	499.0	81.99500	9.85330	300.0	300.0
FRAM 3	HE	130	1	29	APR	81	1427	5	119.6021	4.0	500.0	82.31830	8.93330	300.0	300.0
FRAM 3	CP	131	1	29	APR	81	1452	5	119.6194	4.0	831.3	81.89670	5.45650	30.0	30.0
FRAM 3	HE	132	1	29	APR	81	1524	5	119.6417	4.0	499.0	81.96170	8.88330	300.0	300.0
FRAM 3	CP	133	1	29	APR	81	1527	5	119.6438	4.0	830.4	81.89530	5.45330	30.0	30.0
FRAM 3	CP	134	1	29	APR	81	1611	5	119.6743	5.9	829.4	81.89420	5.45050	30.0	30.0
FRAM 3	HE	135	1	29	APR	81	1623	5	119.6826	4.0	499.0	81.64170	8.79000	300.0	300.0
FRAM 3	HE	136	1	29	APR	81	1723	5	119.7243	4.0	500.0	81.52000	5.07830	300.0	300.0
FRAM 3	CP	137	1	29	APR	81	1800	5	119.7500	12.9	827.4	81.88780	5.43330	30.0	30.0
FRAM 3	CP	138	1	29	APR	81	1955	5	119.8299	4.0	816.6	81.88180	5.40730	30.0	30.0
FRAM 3	CP	139	1	29	APR	81	2050	5	119.8681	4.0	122.6	81.88020	5.39680	30.0	30.0
FRAM 3	CP	140	1	30	APR	81	927	5	120.3937	4.0	492.1	81.87270	5.35680	30.0	30.0

CAMP	SH	STAT	MODE	DY	MON	YR	TIME	CODE	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT.ERR	LNG.ERR
FRAM 3	HE	141	1	30	APR	81	930	5	120.3958	4.0	491.1	81.87270	5.35680	30.0	30.0
FRAM 3	CP	142	1	30	APR	81	958	5	120.4153	10.9	800.8	81.87230	5.35750	30.0	30.0
FRAM 3	CP	143	2	30	APR	81	1117	5	120.4701	4.0	804.7	81.87130	5.35850	30.0	30.0
FRAM 3	HE	144	1	30	APR	81	1118	5	120.4708	4.0	499.0	82.43330	6.53330	300.0	300.0
FRAM 3	CP	145	1	30	APR	81	1413	5	120.5924	7.9	794.9	81.86500	5.35150	30.0	30.0
FRAM 3	HE	146	1	30	APR	81	1442	5	120.6125	4.0	499.0	82.01500	0.18670	300.0	300.0
FRAM 3	CP	147	1	30	APR	81	1448	5	120.6167	4.0	805.7	81.86220	5.34970	30.0	30.0
FRAM 3	CP	148	1	30	APR	81	1532	5	120.6472	4.9	801.8	81.85870	5.34430	30.0	30.0
FRAM 3	HE	149	1	30	APR	81	1548	5	120.6583	4.0	487.2	82.32500	-0.08500	300.0	300.0
FRAM 3	CP	150	1	30	APR	81	1636	5	120.6917	4.0	797.8	81.85770	5.34280	30.0	30.0
FRAM 3	HE	151	1	30	APR	81	1652	5	120.7028	4.0	499.0	82.66000	0.11170	300.0	300.0
FRAM 3	CP	152	1	30	APR	81	1948	5	120.8250	10.9	785.0	81.84030	5.28470	30.0	30.0
FRAM 3	CP	153	1	1	MAY	81	1025	5	121.4340	4.0	500.0	81.82050	5.18820	30.0	30.0
FRAM 3	HE	154	1	1	MAY	81	1028	5	121.4361	4.0	500.0	81.82050	5.18820	30.0	30.0
FRAM 3	CP	155	1	1	MAY	81	1111	5	121.4660	4.0	777.1	81.82020	5.18980	30.0	30.0
FRAM 3	CP	156	1	1	MAY	81	1502	5	121.6264	4.0	794.9	81.81550	5.17450	30.0	30.0
FRAM 3	CP	157	1	1	MAY	81	2008	5	121.8389	4.0	784.0	81.80050	5.12050	30.0	30.0
FRAM 3	CP	158	1	2	MAY	81	942	5	122.4042	4.0	768.3	81.79350	5.02780	30.0	30.0
FRAM 3	CP	159	1	2	MAY	81	1511	5	122.6326	4.0	500.0	81.79580	5.02230	30.0	30.0
FRAM 3	HE	160	1	2	MAY	81	1512	5	122.6333	4.0	499.0	81.79580	5.02230	30.0	30.0
FRAM 3	CP	161	1	2	MAY	81	1538	5	122.6514	4.0	773.2	81.79550	5.01920	30.0	30.0
FRAM 3	HE	162	1	3	MAY	81	1206	5	123.5042	4.0	496.0	81.80520	4.75470	30.0	30.0
FRAM 3	CP	163	1	3	MAY	81	1204	5	123.5028	4.0	495.1	81.80520	4.75580	30.0	30.0
FRAM 3	CP	164	1	3	MAY	81	1503	5	123.6271	4.0	776.2	81.80720	4.71420	30.0	30.0
FRAM 3	CP	165	1	3	MAY	81	1531	5	123.6465	4.0	778.1	81.80720	4.70500	30.0	30.0
FRAM 3	CP	166	1	3	MAY	81	1602	5	123.6681	4.0	778.1	81.80700	4.69800	30.0	30.0
FRAM 3	CP	167	1	3	MAY	81	1631	5	123.6882	4.0	779.1	81.80630	4.68320	30.0	30.0
FRAM 3	CP	168	1	3	MAY	81	1700	5	123.7083	4.0	784.0	81.80600	4.67780	30.0	30.0
FRAM 3	CP	169	1	3	MAY	81	1730	5	123.7292	4.0	787.0	81.80550	4.66980	30.0	30.0
FRAM 3	CP	170	1	3	MAY	81	1802	5	123.7514	4.0	502.0	81.80450	4.65530	30.0	30.0
FRAM 3	CP	171	1	3	MAY	81	2119	5	123.8882	4.0	529.6	81.79870	4.58420	30.0	30.0
FRAM 3	CP	172	1	3	MAY	81	2151	5	123.9104	4.0	780.1	81.79750	4.56380	30.0	30.0
FRAM 3	CP	173	1	3	MAY	81	2222	5	123.9319	4.0	776.2	81.79700	4.55270	30.0	30.0
FRAM 3	CP	174	1	4	MAY	81	932	5	124.3972	4.0	779.1	81.78530	4.39730	30.0	30.0
FRAM 3	CP	175	1	4	MAY	81	1007	5	124.4215	4.0	779.1	81.78420	4.38370	30.0	30.0
FRAM 3	CP	176	1	4	MAY	81	1037	5	124.4424	4.0	784.0	81.78350	4.37050	30.0	30.0
FRAM 3	CP	177	1	4	MAY	81	1115	5	124.4688	4.0	243.2	81.78320	4.36130	30.0	30.0
FRAM 3	HE	178	1	4	MAY	81	1351	5	124.5771	4.0	500.0	81.67830	1.41170	300.0	300.0
FRAM 3	HE	179	1	4	MAY	81	1457	5	124.6229	4.0	499.0	81.40000	3.49500	300.0	300.0
FRAM 3	CP	180	1	4	MAY	81	2013	5	124.8424	4.0	786.0	81.77530	4.17320	30.0	30.0
FRAM 3	CP	181	1	4	MAY	81	2110	5	124.8819	4.0	547.4	81.77500	4.16900	30.0	30.0
FRAM 3	CP	182	1	4	MAY	81	2148	5	124.9083	4.0	502.0	81.77370	4.15520	30.0	30.0
FRAM 3	HE	183	1	4	MAY	81	2149	5	124.9090	4.0	501.0	81.77370	4.15520	30.0	30.0
FRAM 3	CP	184	1	5	MAY	81	1629	5	125.6868	4.0	495.1	81.75780	3.94920	30.0	30.0
FRAM 3	HE	185	1	5	MAY	81	1632	5	125.6889	4.0	497.0	81.75780	3.94920	30.0	30.0
FRAM 3	CP	186	1	6	MAY	81	910	5	126.3819	4.0	492.1	81.74300	3.77430	30.0	30.0
FRAM 3	HE	187	1	6	MAY	81	912	5	126.3833	4.0	492.1	81.74300	3.77430	30.0	30.0
FRAM 3	HE	188	1	6	MAY	81	1417	5	126.5951	4.0	499.0	80.73830	6.18170	300.0	300.0
FRAM 3	HE	189	1	6	MAY	81	1534	5	126.6486	4.0	499.0	80.77500	8.78670	300.0	300.0
FRAM 3	HE	190	1	6	MAY	81	1715	5	126.7188	4.0	496.1	81.35170	5.22670	300.0	300.0
FRAM 3	HE	191	1	7	MAY	81	1042	5	127.4458	4.0	500.0	81.71400	3.50200	30.0	30.0
FRAM 3	HE	192	1	7	MAY	81	1350	5	127.5764	4.0	500.0	82.01670	0.07170	300.0	300.0
FRAM 3	HE	193	1	7	MAY	81	1446	5	127.6153	4.0	500.0	82.00330	-2.39500	300.0	300.0
FRAM 3	HE	194	1	7	MAY	81	1555	5	127.6632	4.0	503.0	81.97170	-5.96170	300.0	300.0

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 FRAM 3  STATION    1(1) CTD  30/MAR/1981 2000 GMT  CODE = 5
LAT = 83.4667N LNG =  12.6833E LTER =    300. LGER =    300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.83   -1.83   32.51   26.16   184.5   0.000   1437.3
   4.0   -1.83   -1.83   32.51   26.16   184.4   0.007   1437.3
   5.0   -1.83   -1.83   32.54   26.18   182.2   0.009   1437.4
  10.0   -1.83   -1.83   32.64   26.26   175.0   0.018   1437.6
  15.0   -1.83   -1.83   32.68   26.30   171.4   0.027   1437.8
  20.0   -1.85   -1.85   32.83   26.42   159.7   0.036   1438.0
  25.0   -1.85   -1.85   32.92   26.49   152.8   0.043   1438.2
  30.0   -1.85   -1.85   32.96   26.53   149.5   0.051   1438.3
  35.0   -1.85   -1.85   32.99   26.54   147.7   0.059   1438.4
  40.0   -1.85   -1.85   33.00   26.55   146.9   0.066   1438.5
  45.0   -1.85   -1.85   33.02   26.57   144.9   0.073   1438.7
  50.0   -1.85   -1.85   33.08   26.62   140.0   0.081   1438.8
  55.0   -1.84   -1.84   33.24   26.75   128.2   0.087   1439.2
  60.0   -1.84   -1.84   33.35   26.84   119.1   0.094   1439.4
  65.0   -1.83   -1.83   33.47   26.94   109.9   0.099   1439.7
  70.0   -1.82   -1.82   33.60   27.05    99.8   0.105   1440.0
  75.0   -1.79   -1.80   33.70   27.12    92.8   0.110   1440.4
  80.0   -1.77   -1.77   33.76   27.18    87.6   0.114   1440.6
  85.0   -1.75   -1.75   33.84   27.24    81.6   0.118   1440.9
  90.0   -1.74   -1.74   33.88   27.27    78.9   0.122   1441.1
  95.0   -1.70   -1.71   33.93   27.31    75.2   0.126   1441.4
 100.0   -1.65   -1.65   33.97   27.34    72.1   0.130   1441.8
 110.0   -1.58   -1.58   34.05   27.40    65.9   0.137   1442.4
 120.0   -1.65   -1.65   34.11   27.45    61.1   0.143   1442.4
 130.0   -1.61   -1.62   34.15   27.48    58.4   0.149   1442.8
 140.0   -1.48   -1.48   34.17   27.50    57.0   0.155   1443.6
 150.0   -1.26   -1.27   34.21   27.52    54.8   0.161   1444.8
 160.0   -0.97   -0.97   34.26   27.55    52.2   0.166   1446.4
 170.0   -0.66   -0.67   34.31   27.58    49.6   0.171   1448.1
 180.0   -0.41   -0.42   34.34   27.60    47.8   0.176   1449.5
 190.0    0.04    0.03   34.42   27.64    44.2   0.181   1451.8
 200.0    0.43    0.43   34.50   27.68    40.7   0.185   1453.9
 210.0    0.66    0.65   34.54   27.70    39.1   0.189   1455.1
 220.0    0.90    0.89   34.58   27.71    37.6   0.193   1456.5
 230.0    1.12    1.11   34.63   27.74    34.9   0.197   1457.7
 233.3    1.08    1.06   34.65   27.76    33.0   0.198   1457.5
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 FRAM 3  STATION    2(2) CTD  30/MAR/1981 2108 GMT  CODE = 5
LAT = 83.6833N LNG =  12.6333E LTER =    300. LGER =    300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.80   -1.80   32.53   26.17   183.2   0.000   1437.4
   4.0   -1.80   -1.80   32.53   26.17   183.2   0.007   1437.5
   5.0   -1.80   -1.80   32.53   26.18   183.0   0.009   1437.5
  10.0   -1.80   -1.80   32.58   26.21   179.5   0.018   1437.7
  15.0   -1.81   -1.81   32.69   26.30   170.7   0.027   1437.9
  20.0   -1.82   -1.82   32.78   26.38   163.9   0.036   1438.1
  25.0   -1.82   -1.82   32.84   26.43   159.0   0.044   1438.2
  30.0   -1.82   -1.82   32.88   26.45   156.2   0.052   1438.3
  35.0   -1.82   -1.82   32.90   26.48   154.1   0.060   1438.5
  40.0   -1.81   -1.81   32.93   26.49   152.4   0.067   1438.6
  45.0   -1.83   -1.83   32.97   26.53   148.9   0.075   1438.7
  50.0   -1.82   -1.82   33.00   26.56   146.4   0.083   1438.8
  55.0   -1.81   -1.81   33.09   26.63   139.8   0.090   1439.1
  60.0   -1.80   -1.80   33.26   26.77   126.2   0.096   1439.5
  65.0   -1.79   -1.79   33.52   26.97   106.7   0.102   1440.0
  70.0   -1.79   -1.79   33.67   27.10    95.1   0.107   1440.3
  75.0   -1.79   -1.79   33.79   27.19    85.9   0.112   1440.5
  80.0   -1.78   -1.79   33.88   27.27    78.6   0.116   1440.7
  85.0   -1.77   -1.78   33.94   27.32    73.8   0.120   1441.0
  90.0   -1.77   -1.77   34.01   27.38    68.3   0.124   1441.2
  95.0   -1.76   -1.76   34.08   27.43    63.4   0.127   1441.4
 100.0   -1.74   -1.75   34.12   27.47    60.0   0.130   1441.6
 110.0   -1.71   -1.71   34.17   27.50    56.5   0.136   1442.0
 120.0   -1.67   -1.68   34.24   27.56    51.4   0.141   1442.4
 130.0   -1.62   -1.62   34.25   27.57    50.3   0.147   1442.9
 140.0   -1.49   -1.50   34.28   27.59    48.1   0.152   1443.7
 150.0   -1.26   -1.27   34.29   27.59    48.1   0.156   1444.9
 160.0   -0.99   -1.00   34.34   27.62    45.7   0.161   1446.4
 170.0   -0.71   -0.71   34.41   27.66    41.3   0.166   1448.0
 180.0   -0.43   -0.44   34.46   27.69    39.1   0.170   1449.6
 190.0   -0.24   -0.25   34.50   27.72    36.7   0.173   1450.6
 200.0    0.04    0.04   34.55   27.74    34.5   0.177   1452.2
 210.0    0.31    0.30   34.58   27.75    33.9   0.181   1453.6
 220.0    0.53    0.52   34.65   27.79    30.0   0.184   1454.9
 230.0    0.63    0.62   34.69   27.82    27.6   0.187   1455.5
 240.0    0.80    0.79   34.72   27.84    25.9   0.189   1456.5
 250.0    1.01    1.00   34.77   27.86    24.3   0.192   1457.7
 260.0    1.14    1.13   34.83   27.90    20.5   0.194   1458.5
 270.0    1.08    1.07   34.83   27.91    19.7   0.196   1458.4
 270.9    1.08    1.06   34.83   27.91    19.6   0.196   1458.4
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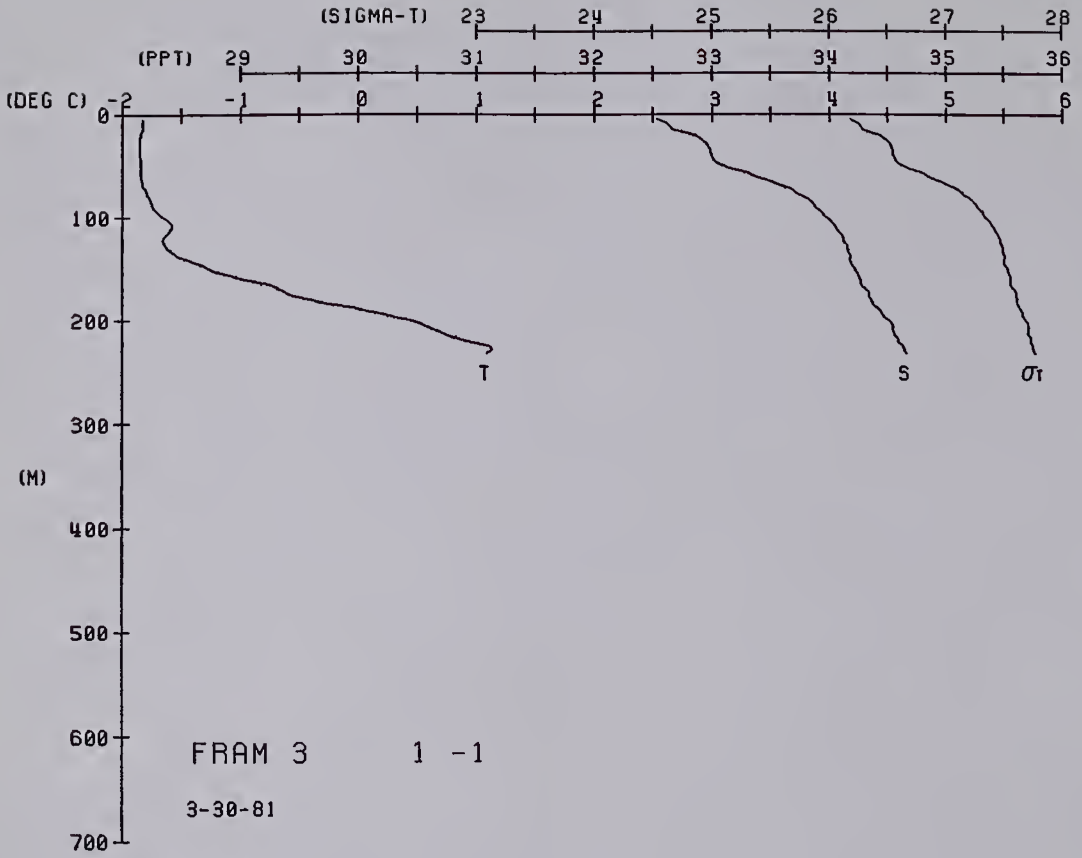

FRAM 3 1 -1

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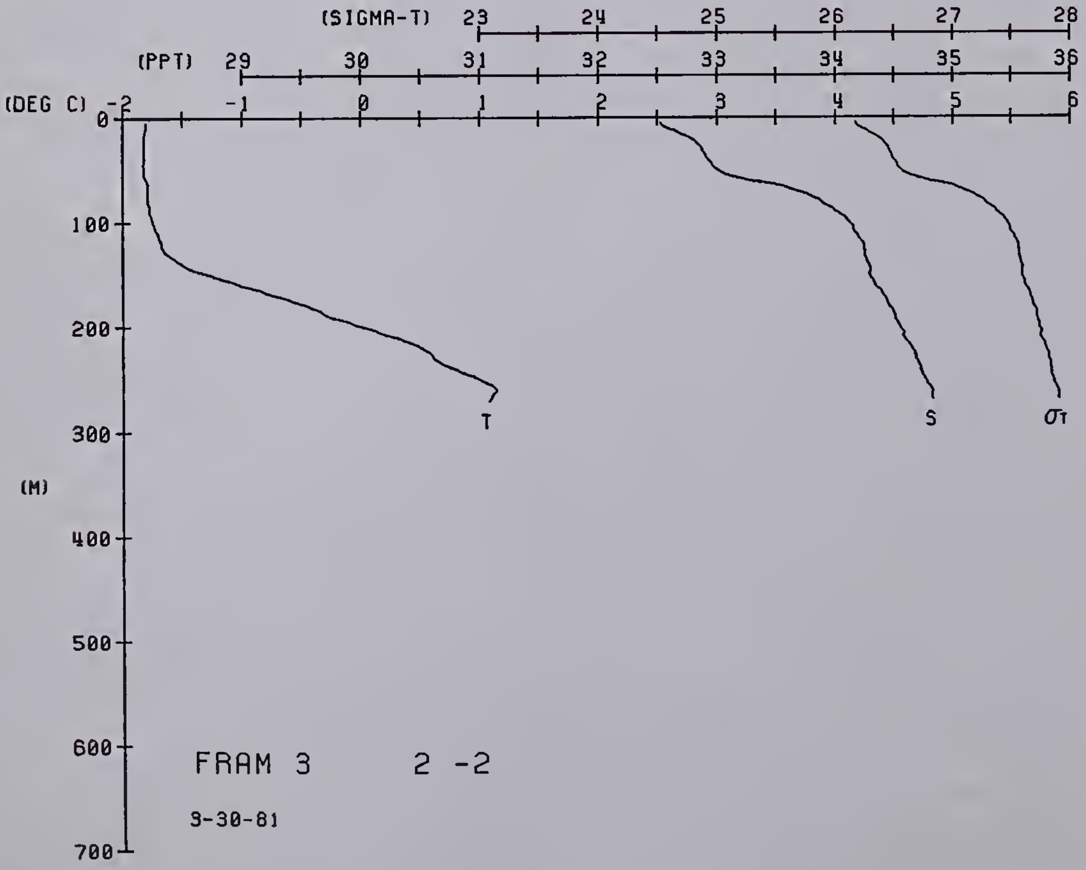

FRAM 3 2 -2

3-30-81

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 FRAM 3  STATION   3(2) CTD  30/MAR/1981 2208 GMT  CODE = 5
LAT = 83.9667N LNG =  12.1833E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.79   -1.79   32.34   26.02   197.8   0.000   1437.2
   4.0  -1.79   -1.79   32.34   26.02   197.8   0.008   1437.3
   5.0  -1.79   -1.79   32.34   26.02   197.8   0.010   1437.3
  10.0  -1.79   -1.79   32.34   26.02   198.1   0.020   1437.4
  15.0  -1.79   -1.80   32.34   26.02   197.6   0.030   1437.5
  20.0  -1.79   -1.80   32.41   26.08   192.2   0.040   1437.6
  25.0  -1.80   -1.81   32.55   26.19   181.5   0.049   1437.9
  30.0  -1.80   -1.80   32.60   26.23   177.5   0.058   1438.0
  35.0  -1.80   -1.81   32.64   26.26   174.3   0.067   1438.2
  40.0  -1.81   -1.81   32.68   26.29   171.4   0.076   1438.3
  45.0  -1.82   -1.82   32.72   26.32   168.5   0.085   1438.4
  50.0  -1.81   -1.81   32.73   26.34   167.3   0.093   1438.5
  55.0  -1.79   -1.79   32.85   26.44   157.9   0.101   1438.8
  60.0  -1.77   -1.77   33.21   26.72   130.7   0.109   1439.5
  65.0  -1.77   -1.78   33.49   26.95   109.1   0.115   1440.0
  70.0  -1.78   -1.79   33.68   27.10    94.4   0.120   1440.3
  75.0  -1.78   -1.79   33.80   27.20    85.0   0.124   1440.5
  80.0  -1.78   -1.78   33.89   27.28    77.9   0.128   1440.8
  85.0  -1.78   -1.78   33.95   27.33    73.3   0.132   1440.9
  90.0  -1.78   -1.78   34.02   27.38    67.9   0.136   1441.1
  95.0  -1.77   -1.78   34.08   27.43    63.2   0.139   1441.3
 100.0  -1.77   -1.77   34.13   27.47    59.6   0.142   1441.5
 110.0  -1.75   -1.75   34.20   27.53    54.1   0.148   1441.9
 120.0  -1.72   -1.73   34.25   27.57    50.4   0.153   1442.2
 130.0  -1.68   -1.69   34.26   27.58    49.3   0.158   1442.6
 140.0  -1.57   -1.57   34.30   27.60    46.8   0.163   1443.3
 150.0  -1.36   -1.37   34.31   27.61    46.3   0.168   1444.5
 160.0  -1.05   -1.06   34.36   27.64    43.9   0.172   1446.2
 170.0  -0.70   -0.70   34.43   27.68    40.3   0.177   1448.1
 180.0  -0.43   -0.44   34.47   27.70    37.9   0.181   1449.6
 190.0  -0.15   -0.16   34.50   27.71    37.4   0.184   1451.1
 200.0   0.13    0.12   34.60   27.77    31.4   0.188   1452.6
 210.0   0.36    0.36   34.64   27.79    29.6   0.191   1453.9
 220.0   0.58    0.57   34.68   27.82    27.7   0.194   1455.1
 230.0   0.70    0.69   34.71   27.83    26.5   0.197   1455.9
 240.0   0.85    0.84   34.76   27.86    23.8   0.199   1456.8
 250.0   1.04    1.03   34.81   27.89    21.4   0.202   1457.9
 260.0   1.09    1.07   34.84   27.92    18.8   0.204   1458.3
 270.0   1.02    1.01   34.84   27.91    19.0   0.205   1458.2
 270.9   1.01    1.00   34.83   27.91    19.2   0.206   1458.1
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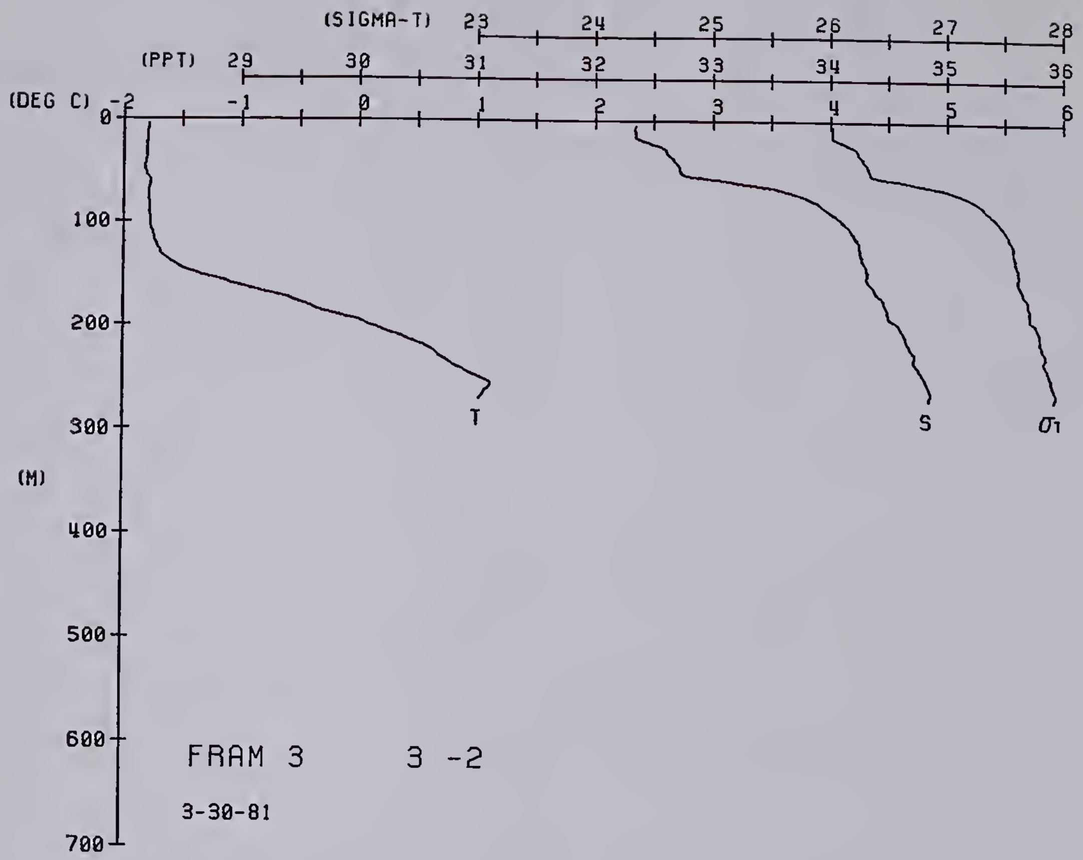
LAT = 84.1633N LNG =  12.6600E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.74   -1.74   31.58   25.40   256.9   0.000   1436.4
   4.0  -1.74   -1.74   31.58   25.40   256.9   0.010   1436.5
   5.0  -1.74   -1.74   31.58   25.40   256.7   0.013   1436.5
  10.0  -1.74   -1.74   31.60   25.42   255.1   0.026   1436.6
  15.0  -1.75   -1.75   31.67   25.47   250.0   0.039   1436.7
  20.0  -1.75   -1.76   31.77   25.56   241.6   0.051   1436.9
  25.0  -1.77   -1.77   31.95   25.70   227.7   0.063   1437.2
  30.0  -1.77   -1.78   32.11   25.83   215.8   0.074   1437.5
  35.0  -1.78   -1.79   32.25   25.94   204.7   0.085   1437.7
  40.0  -1.79   -1.79   32.32   26.01   198.8   0.095   1437.9
  45.0  -1.79   -1.79   32.39   26.06   193.9   0.105   1438.0
  50.0  -1.79   -1.79   32.49   26.14   185.9   0.115   1438.3
  55.0  -1.77   -1.78   32.83   26.42   159.6   0.123   1438.9
  60.0  -1.78   -1.78   33.29   26.79   124.3   0.130   1439.6
  65.0  -1.78   -1.79   33.61   27.05    99.5   0.136   1440.1
  70.0  -1.79   -1.79   33.81   27.21    84.0   0.141   1440.5
  75.0  -1.79   -1.79   33.92   27.30    75.5   0.145   1440.7
  80.0  -1.78   -1.78   34.00   27.37    69.2   0.148   1440.9
  85.0  -1.77   -1.77   34.08   27.43    63.6   0.152   1441.2
  90.0  -1.74   -1.74   34.13   27.47    59.3   0.155   1441.5
  95.0  -1.72   -1.73   34.17   27.50    56.3   0.158   1441.7
 100.0  -1.71   -1.71   34.19   27.52    54.8   0.161   1441.9
 110.0  -1.63   -1.63   34.25   27.57    50.3   0.166   1442.5
 120.0  -1.68   -1.68   34.30   27.61    46.6   0.171   1442.5
 130.0  -1.53   -1.53   34.33   27.63    44.8   0.175   1443.4
 140.0  -1.25   -1.25   34.36   27.65    42.8   0.180   1445.0
 150.0  -0.79   -0.79   34.42   27.67    40.4   0.184   1447.3
 160.0  -0.58   -0.59   34.47   27.71    37.5   0.188   1448.5
 170.0  -0.22   -0.23   34.53   27.74    34.7   0.192   1450.4
 180.0   0.09    0.08   34.60   27.78    31.1   0.195   1452.1
 190.0   0.30    0.30   34.65   27.81    28.3   0.198   1453.3
 200.0   0.56    0.55   34.69   27.83    26.7   0.201   1454.7
 210.0   0.86    0.85   34.74   27.84    25.1   0.203   1456.3
 220.0   1.16    1.15   34.80   27.87    22.9   0.206   1457.9
 230.0   1.31    1.30   34.84   27.89    20.7   0.208   1458.8
 240.0   1.40    1.39   34.87   27.91    19.2   0.210   1459.4
 250.0   1.38    1.37   34.88   27.93    17.9   0.212   1459.5
 260.0   1.29    1.28   34.88   27.93    17.8   0.214   1459.3
 270.0   1.30    1.28   34.89   27.94    17.0   0.216   1459.5
 280.0   1.42    1.41   34.91   27.94    16.5   0.217   1460.2
 290.0   1.40    1.39   34.93   27.96    14.9   0.219   1460.3
 300.0   1.40    1.38   34.93   27.96    14.8   0.220   1460.5
 310.0   1.30    1.29   34.93   27.97    14.1   0.222   1460.2
 320.0   1.22    1.21   34.93   27.97    13.8   0.223   1460.0
 330.0   1.15    1.13   34.92   27.97    13.5   0.225   1459.9
 340.0   1.10    1.08   34.91   27.97    14.1   0.226   1459.8
 350.0   1.12    1.10   34.93   27.98    13.1   0.227   1460.1
 360.0   1.18    1.16   34.93   27.98    13.2   0.229   1460.5
 370.0   1.18    1.17   34.94   27.98    12.8   0.230   1460.7
 380.0   1.16    1.14   34.95   27.99    11.9   0.231   1460.8
 390.0   1.12    1.10   34.94   27.99    12.0   0.232   1460.8
 400.0   1.10    1.08   34.93   27.98    12.7   0.234   1460.8
 410.0   1.07    1.04   34.94   27.99    12.1   0.235   1460.8
 420.0   1.02    0.99   34.94   28.00    11.4   0.236   1460.8
 430.0   0.98    0.96   34.95   28.00    10.9   0.237   1460.8
 440.0   0.95    0.93   34.93   27.99    12.1   0.238   1460.8
 450.0   0.94    0.91   34.94   28.00    11.2   0.240   1460.9
 460.0   0.94    0.91   34.93   28.00    11.4   0.241   1461.1
 470.0   0.96    0.94   34.93   27.99    11.7   0.242   1461.4
 480.0   0.96    0.94   34.94   28.00    11.2   0.243   1461.6
 490.0   0.97    0.94   34.95   28.01    10.6   0.244   1461.7
 500.0   0.91    0.89   34.95   28.01    10.1   0.245   1461.7
 502.9   0.88    0.86   34.97   28.03     8.5   0.246   1461.6
```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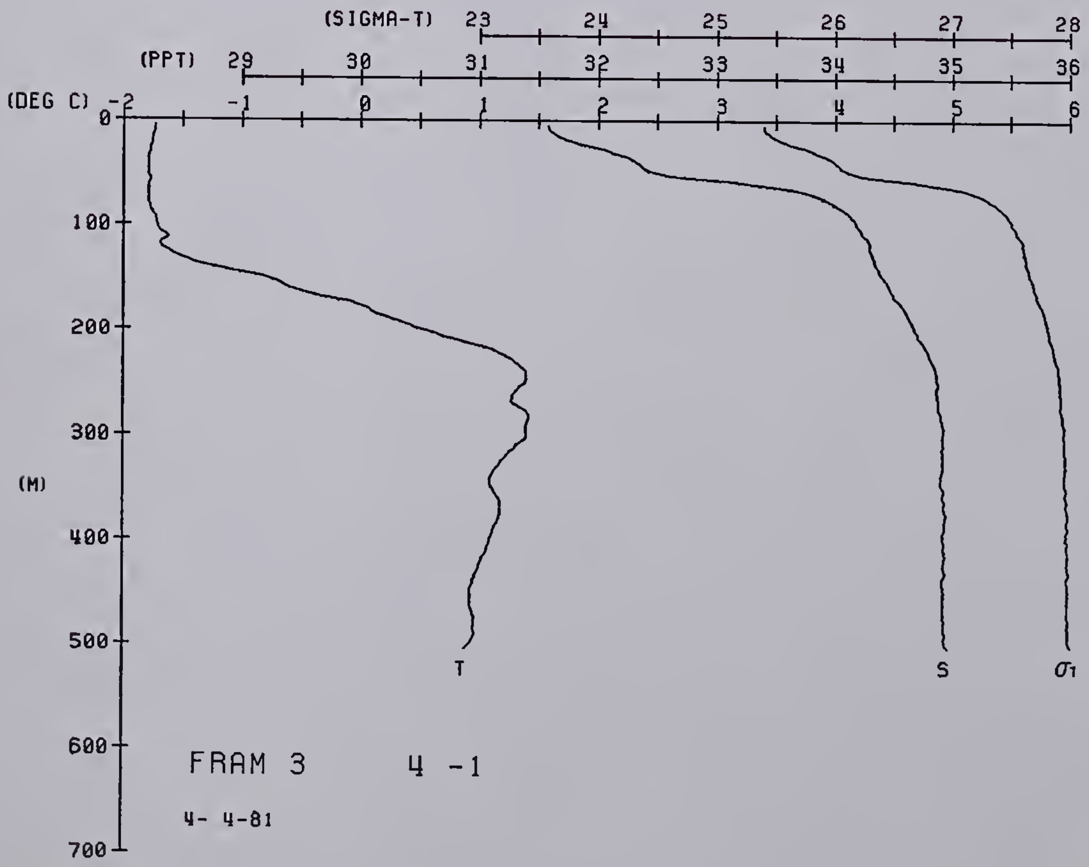
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σ₁
FRAM 3 3 -2
3-30-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σ₁
FRAM 3 4 -1
4- 4-81

```
 FRAM 3  STATION    5(1) CTD   4/APR/1981 1535 GMT  CODE = 5
LAT = 84.3733N LNG =  12.4183E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.75   -1.75   31.52   25.35   261.5   0.000   1436.2
   5.0   -1.75   -1.76   31.52   25.35   261.4   0.013   1436.3
  10.0   -1.75   -1.76   31.52   25.35   261.4   0.026   1436.4
  10.9   -1.75   -1.76   31.52   25.35   261.3   0.029   1436.4
  15.0   -1.75   -1.76   31.52   25.35   260.9   0.040   1436.5
  20.0   -1.75   -1.76   31.53   25.36   260.4   0.053   1436.6
  25.0   -1.76   -1.76   31.53   25.36   260.4   0.066   1436.6
  30.0   -1.76   -1.76   31.55   25.37   259.0   0.079   1436.7
  35.0   -1.76   -1.77   31.59   25.41   255.5   0.092   1436.9
  40.0   -1.77   -1.77   31.70   25.50   246.8   0.105   1437.1
  45.0   -1.78   -1.78   32.15   25.87   211.9   0.116   1437.8
  50.0   -1.79   -1.79   32.76   26.36   164.8   0.126   1438.6
  55.0   -1.80   -1.80   33.33   26.82   121.2   0.133   1439.5
  60.0   -1.80   -1.80   33.59   27.04   100.8   0.139   1439.9
  65.0   -1.79   -1.79   33.73   27.15    90.6   0.144   1440.3
  70.0   -1.78   -1.78   33.84   27.24    82.0   0.148   1440.5
  75.0   -1.77   -1.77   33.92   27.30    75.6   0.152   1440.8
  80.0   -1.76   -1.76   34.00   27.37    69.3   0.156   1441.1
  85.0   -1.74   -1.74   34.07   27.43    63.9   0.159   1441.3
  90.0   -1.72   -1.72   34.13   27.47    59.6   0.162   1441.6
  95.0   -1.70   -1.70   34.17   27.50    56.4   0.165   1441.8
 100.0   -1.68   -1.68   34.21   27.54    53.4   0.168   1442.0
 110.0   -1.64   -1.64   34.29   27.60    47.7   0.173   1442.5
 120.0   -1.53   -1.54   34.33   27.63    44.6   0.178   1443.2
 130.0   -1.49   -1.49   34.36   27.65    42.4   0.182   1443.6
 140.0   -1.34   -1.34   34.39   27.67    40.6   0.186   1444.6
 150.0   -1.01   -1.02   34.46   27.71    36.6   0.190   1446.3
 160.0   -0.71   -0.72   34.50   27.73    34.8   0.194   1448.0
 170.0   -0.46   -0.47   34.54   27.76    32.7   0.197   1449.4
 180.0   -0.19   -0.20   34.61   27.80    29.0   0.200   1450.9
 190.0    0.07    0.07   34.64   27.81    28.1   0.203   1452.3
 200.0    0.27    0.26   34.70   27.85    24.2   0.206   1453.4
 210.0    0.37    0.37   34.73   27.87    22.5   0.208   1454.1
 220.0    0.54    0.53   34.76   27.88    21.4   0.210   1455.1
 230.0    0.77    0.76   34.83   27.92    18.0   0.212   1456.4
 240.0    1.01    1.00   34.91   27.97    13.6   0.214   1457.7
 250.0    0.94    0.93   34.90   27.97    13.6   0.215   1457.6
 260.0    0.92    0.90   34.89   27.97    13.9   0.217   1457.6
 270.0    1.06    1.05   34.93   27.99    12.0   0.218   1458.5
 280.0    1.12    1.11   34.97   28.01    10.0   0.219   1459.0
 290.0    1.05    1.04   34.96   28.01    10.3   0.220   1458.8
 300.0    0.99    0.97   34.95   28.01    10.1   0.221   1458.7
 310.0    0.93    0.91   34.95   28.01     9.8   0.222   1458.6
 320.0    0.89    0.87   34.94   28.01    10.0   0.223   1458.5
 330.0    0.90    0.88   34.94   28.01    10.2   0.224   1458.8
 340.0    1.05    1.03   34.98   28.02     8.7   0.225   1459.7
 350.0    1.01    0.99   34.98   28.03     8.4   0.226   1459.6
 360.0    0.97    0.95   34.97   28.02     8.9   0.227   1459.6
 370.0    0.93    0.91   34.98   28.04     7.6   0.228   1459.6
 380.0    0.93    0.91   34.97   28.02     8.8   0.229   1459.8
 390.0    0.92    0.90   34.97   28.03     8.4   0.229   1459.9
 400.0    0.89    0.87   34.97   28.03     8.1   0.230   1459.9
 410.0    0.87    0.85   34.97   28.03     8.2   0.231   1460.0
 420.0    0.85    0.83   34.96   28.03     8.6   0.232   1460.1
 430.0    0.84    0.82   34.96   28.03     8.4   0.233   1460.2
 440.0    0.83    0.81   34.97   28.03     7.9   0.234   1460.3
 450.0    0.82    0.80   34.96   28.03     8.5   0.234   1460.4
 460.0    0.86    0.83   34.97   28.03     8.3   0.235   1460.8
 470.0    0.89    0.87   34.99   28.05     6.9   0.236   1461.1
 480.0    0.85    0.83   34.98   28.04     7.4   0.237   1461.1
 490.0    0.82    0.79   34.99   28.05     6.6   0.237   1461.1
 500.0    0.79    0.77   34.98   28.04     7.3   0.238   1461.1
 503.9    0.77    0.75   34.99   28.05     6.1   0.238   1461.2
```

```
 FRAM 3  STATION    6(1) CTD   7/APR/1981 1320 GMT  CODE = 5
LAT = 83.0733N LNG =  12.2217E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.83   -1.83   33.52   26.98   106.8   0.000   1438.7
   4.0   -1.83   -1.83   33.52   26.98   106.7   0.004   1438.8
   5.0   -1.83   -1.83   33.52   26.98   106.6   0.005   1438.8
  10.0   -1.83   -1.83   33.53   26.98   106.1   0.011   1438.9
  15.0   -1.83   -1.83   33.54   26.99   105.2   0.016   1439.0
  20.0   -1.83   -1.83   33.54   27.00   104.8   0.021   1439.1
  25.0   -1.83   -1.83   33.55   27.00   104.4   0.027   1439.2
  30.0   -1.83   -1.83   33.56   27.01   103.9   0.032   1439.2
  35.0   -1.83   -1.83   33.56   27.01   103.5   0.037   1439.3
  40.0   -1.83   -1.83   33.60   27.04   100.2   0.042   1439.5
  45.0   -1.84   -1.84   33.63   27.07    98.1   0.047   1439.6
  50.0   -1.84   -1.84   33.66   27.09    95.9   0.052   1439.7
  55.0   -1.84   -1.84   33.68   27.11    93.8   0.057   1439.8
  60.0   -1.84   -1.84   33.71   27.13    91.6   0.062   1439.9
  65.0   -1.84   -1.84   33.75   27.17    88.5   0.066   1440.1
  70.0   -1.83   -1.83   33.80   27.21    84.7   0.071   1440.3
  75.0   -1.80   -1.80   33.85   27.25    80.7   0.075   1440.5
  80.0   -1.79   -1.79   33.90   27.28    77.3   0.079   1440.8
  85.0   -1.77   -1.78   33.94   27.31    74.4   0.083   1441.0
  90.0   -1.77   -1.77   33.98   27.35    70.9   0.086   1441.1
  95.0   -1.76   -1.77   34.02   27.38    68.0   0.090   1441.3
 100.0   -1.72   -1.72   34.05   27.40    65.9   0.093   1441.6
 110.0   -1.66   -1.66   34.11   27.45    61.2   0.100   1442.2
 120.0   -1.57   -1.57   34.17   27.50    56.7   0.106   1442.9
 130.0   -1.48   -1.48   34.26   27.57    50.4   0.111   1443.6
 140.0   -1.36   -1.37   34.31   27.60    46.8   0.116   1444.3
 150.0   -1.19   -1.19   34.35   27.64    43.9   0.121   1445.4
 160.0   -0.89   -0.89   34.42   27.68    39.9   0.125   1447.0
 170.0   -0.44   -0.44   34.46   27.69    38.9   0.129   1449.4
 180.0   -0.18   -0.19   34.55   27.75    33.2   0.132   1450.8
 190.0    0.00   -0.01   34.60   27.79    30.3   0.136   1451.9
 200.0    0.15    0.14   34.63   27.80    29.2   0.139   1452.8
 210.0    0.33    0.33   34.68   27.63    26.6   0.141   1453.8
 220.0    0.58    0.57   34.71   27.84    25.6   0.144   1455.2
 230.0    0.90    0.89   34.77   27.87    22.9   0.147   1456.9
 240.0    0.96    0.95   34.82   27.90    20.0   0.149   1457.4
 250.0    1.35    1.34   34.84   27.89    20.9   0.151   1459.3
 260.0    1.58    1.57   34.90   27.93    18.1   0.153   1460.6
 270.0    1.51    1.50   34.92   27.94    16.4   0.155   1460.5
 280.0    1.33    1.32   34.90   27.94    16.2   0.156   1459.8
 290.0    1.22    1.20   34.90   27.95    15.7   0.158   1459.5
 300.0    1.13    1.12   34.89   27.95    16.0   0.159   1459.2
 310.0    1.10    1.08   34.90   27.96    15.1   0.161   1459.2
 320.0    1.36    1.34   34.91   27.95    16.0   0.163   1460.6
 330.0    1.30    1.29   34.94   27.98    13.2   0.164   1460.6
 340.0    1.30    1.28   34.93   27.97    14.2   0.165   1460.7
 350.0    1.38    1.37   34.95   27.98    13.1   0.167   1461.3
 360.0    1.33    1.31   34.95   27.98    12.9   0.168   1461.2
 370.0    1.23    1.21   34.95   27.99    12.5   0.169   1460.9
 380.0    1.20    1.18   34.94   27.98    12.8   0.171   1460.9
 390.0    1.13    1.12   34.95   27.99    11.8   0.172   1460.8
 400.0    1.12    1.10   34.95   28.00    11.6   0.173   1460.9
 410.0    1.11    1.09   34.95   27.99    11.7   0.174   1461.0
 420.0    1.13    1.11   34.95   28.00    11.3   0.175   1461.3
 430.0    1.10    1.07   34.96   28.01    10.6   0.177   1461.3
 440.0    1.09    1.07   34.96   28.01    10.3   0.178   1461.5
 450.0    1.06    1.04   34.96   28.01    10.1   0.179   1461.5
 460.0    1.02    1.00   34.96   28.01    10.0   0.180   1461.5
 470.0    1.00    0.97   34.96   28.01     9.9   0.181   1461.6
 480.0    0.96    0.93   34.96   28.01     9.9   0.182   1461.5
 490.0    0.94    0.91   34.97   28.02     9.2   0.183   1461.6
 500.0    0.93    0.91   34.95   28.01    10.0   0.184   1461.7
 502.0    0.93    0.91   34.94   28.00    10.9   0.184   1461.8
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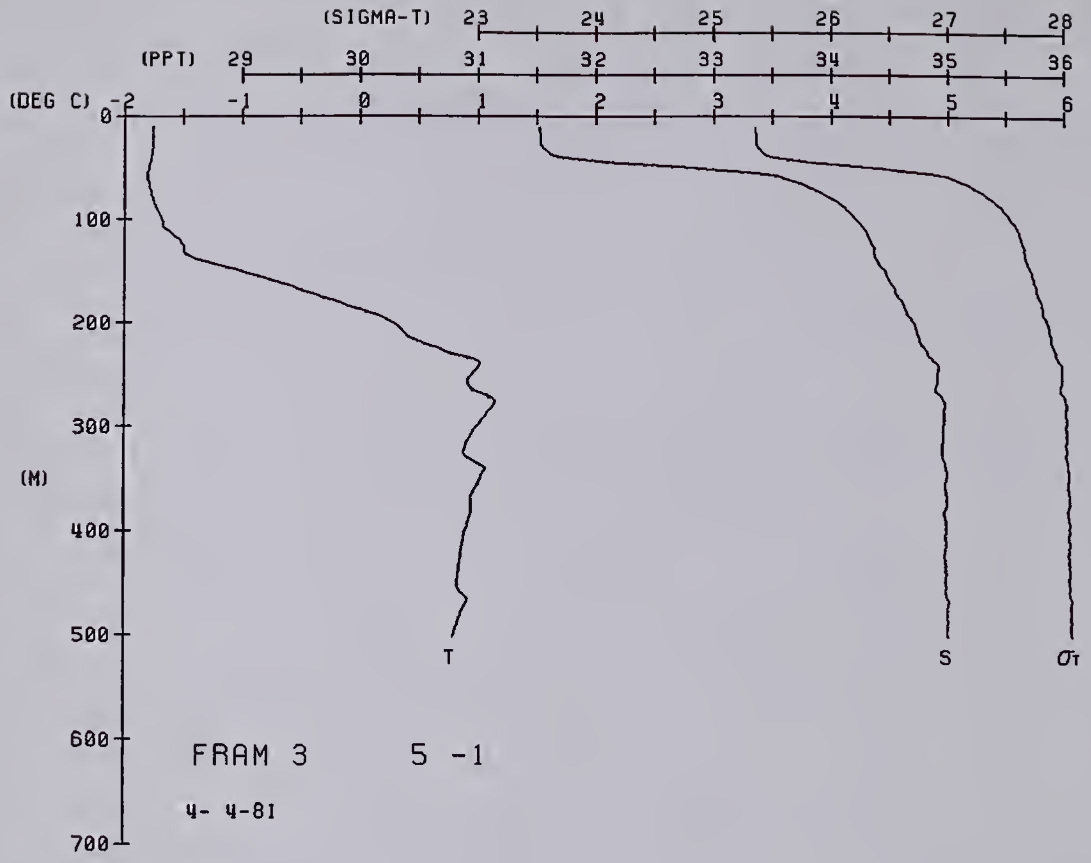
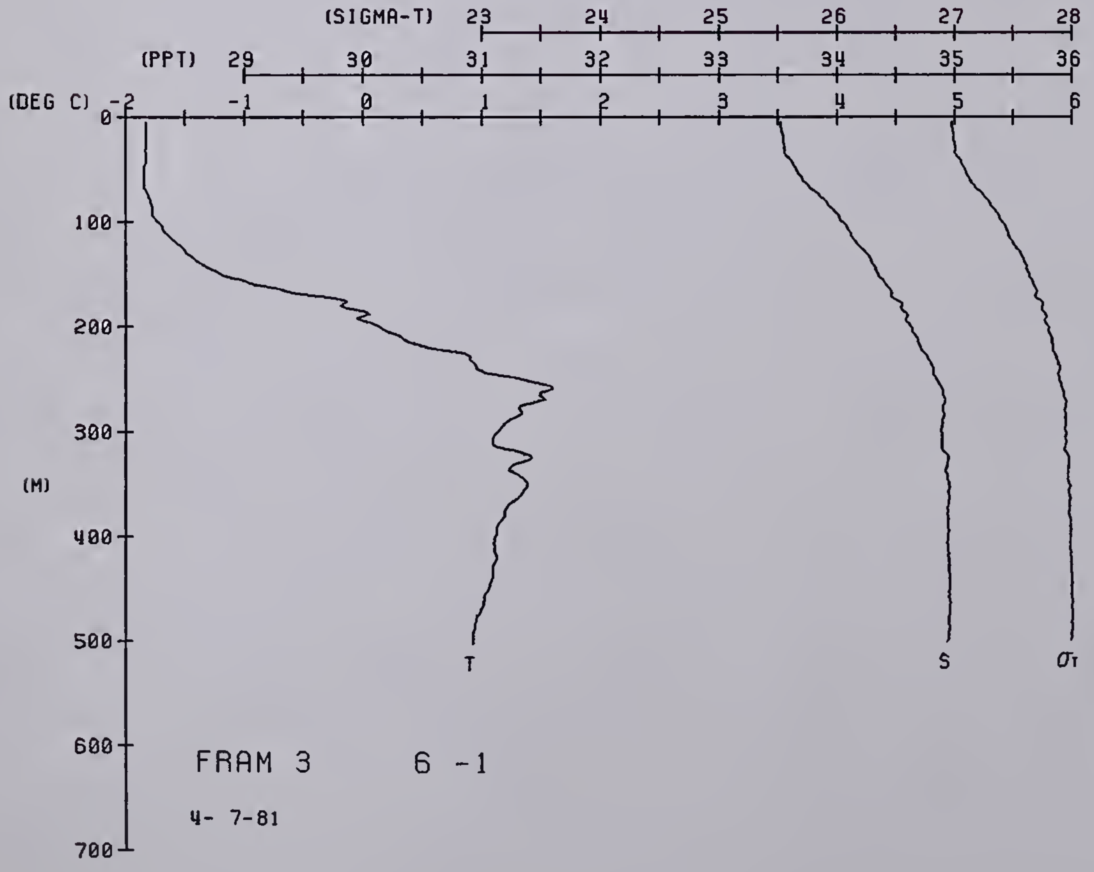

(SIGMA-T)
23
24
25
26
27
28
(PPT)
29
30
31
32
33
34
35
36
(DEG C)
-2
-1
0
1
2
3
4
5
6
0
100
200
300
400
500
600
700
(M)
T
S
σT
FRAM 3 5 -1
4- 4-81


(SIGMA-T)
23
24
25
26
27
28
(PPT)
29
30
31
32
33
34
35
36
(DEG C)
-2
-1
0
1
2
3
4
5
6
0
100
200
300
400
500
600
700
(M)
T
S
σT
FRAM 3 6 -1
4- 7-81

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                              FRAM 3  STATION   7(1) CTD   7/APR/1981 1331 GMT  CODE = 5
                              LAT = 83.0772N LNG =  10.0348E LTER =    30, LGER =    30,
                              AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND        DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.83  -1.83  33.13  26.66  136.7  0.000  1438.2       710.0   0.33   0.30  34.93  28.03    7.8  0.215  1462.5
   4.0  -1.83  -1.83  33.13  26.66  136.7  0.005  1438.2       740.0   0.26   0.23  34.93  28.03    7.5  0.217  1462.7
   5.0  -1.83  -1.83  33.14  26.67  136.5  0.007  1438.3       790.0   0.14   0.11  34.92  28.04    6.8  0.221  1463.0
  10.0  -1.83  -1.83  33.16  26.68  134.8  0.014  1438.4       840.0   0.04   0.00  34.92  28.04    6.4  0.224  1463.4
  15.0  -1.82  -1.82  33.20  26.71  131.8  0.021  1438.5       890.0  -0.05  -0.08  34.92  28.04    6.0  0.227  1463.8
  20.0  -1.83  -1.83  33.24  26.75  128.2  0.027  1438.6       940.0  -0.12  -0.16  34.90  28.04    6.3  0.231  1464.3
  25.0  -1.83  -1.83  33.28  26.79  124.8  0.034  1438.8       990.0  -0.19  -0.23  34.91  28.04    5.4  0.233  1464.8
  30.0  -1.84  -1.84  33.33  26.82  121.4  0.040  1438.9      1040.0  -0.25  -0.30  34.91  28.04    5.0  0.236  1465.4
  35.0  -1.84  -1.84  33.35  26.84  120.0  0.046  1439.0      1090.0  -0.31  -0.36  34.91  28.05    4.7  0.239  1465.9
  40.0  -1.84  -1.84  33.35  26.84  119.4  0.052  1439.1      1140.0  -0.36  -0.41  34.90  28.05    4.4  0.241  1466.5
  45.0  -1.84  -1.84  33.36  26.85  119.0  0.058  1439.2      1190.0  -0.41  -0.47  34.90  28.05    4.0  0.243  1467.2
  50.0  -1.84  -1.84  33.36  26.85  118.7  0.064  1439.3      1240.0  -0.46  -0.51  34.90  28.05    4.1  0.245  1467.8
  55.0  -1.84  -1.84  33.36  26.85  118.6  0.070  1439.4      1290.0  -0.50  -0.55  34.89  28.04    4.0  0.247  1468.5
  60.0  -1.83  -1.83  33.37  26.86  117.9  0.076  1439.5      1340.0  -0.52  -0.58  34.89  28.04    3.9  0.249  1469.2
  65.0  -1.81  -1.81  33.47  26.94  110.4  0.082  1439.8      1390.0  -0.56  -0.62  34.89  28.04    3.6  0.251  1469.9
  70.0  -1.78  -1.78  33.63  27.07   97.8  0.087  1440.2      1440.0  -0.60  -0.66  34.89  28.04    3.4  0.253  1470.5
  75.0  -1.77  -1.78  33.80  27.21   84.5  0.091  1440.6      1490.0  -0.62  -0.68  34.88  28.04    3.5  0.255  1471.3
  80.0  -1.77  -1.78  33.90  27.28   77.5  0.096  1440.8      1540.0  -0.64  -0.71  34.88  28.04    3.2  0.256  1472.0
  85.0  -1.77  -1.77  33.99  27.36   69.9  0.099  1441.1      1590.0  -0.66  -0.73  34.88  28.04    3.3  0.258  1472.8
  90.0  -1.75  -1.75  34.05  27.41   65.2  0.103  1441.3      1640.0  -0.68  -0.76  34.87  28.04    3.2  0.260  1473.5
  95.0  -1.72  -1.72  34.09  27.44   62.5  0.106  1441.6      1690.0  -0.70  -0.78  34.87  28.04    3.1  0.261  1474.3
 100.0  -1.70  -1.70  34.13  27.47   59.5  0.109  1441.8      1740.0  -0.73  -0.81  34.87  28.04    2.8  0.263  1475.0
 110.0  -1.65  -1.66  34.21  27.54   53.4  0.115  1442.3      1790.0  -0.74  -0.82  34.87  28.04    2.8  0.264  1475.8
 120.0  -1.53  -1.53  34.28  27.59   48.4  0.120  1443.2      1840.0  -0.76  -0.85  34.86  28.03    3.1  0.266  1476.6
 130.0  -1.53  -1.54  34.32  27.62   45.1  0.125  1443.4      1890.0  -0.77  -0.86  34.86  28.03    2.7  0.267  1477.4
 140.0  -1.36  -1.36  34.36  27.65   42.4  0.129  1444.4      1940.0  -0.79  -0.88  34.86  28.03    2.6  0.268  1478.2
 150.0  -1.06  -1.06  34.42  27.69   39.1  0.133  1446.1      1990.0  -0.80  -0.89  34.86  28.03    2.8  0.270  1479.0
 160.0  -0.84  -0.85  34.46  27.71   36.9  0.137  1447.3      2040.0  -0.81  -0.90  34.86  28.03    2.5  0.271  1479.8
 170.0  -0.58  -0.59  34.51  27.74   34.0  0.141  1448.8      2090.0  -0.81  -0.91  34.86  28.03    2.4  0.272  1480.6
 180.0  -0.30  -0.31  34.57  27.78   31.0  0.144  1450.3      2140.0  -0.82  -0.93  34.86  28.03    2.3  0.274  1481.4
 190.0  -0.05  -0.05  34.62  27.80   28.9  0.147  1451.7      2190.0  -0.83  -0.94  34.85  28.03    2.4  0.275  1482.2
 200.0   0.10   0.09  34.65  27.82   27.1  0.150  1452.6      2240.0  -0.82  -0.93  34.85  28.02    2.4  0.276  1483.2
 210.0   0.30   0.29  34.69  27.84   25.4  0.152  1453.7      2290.0  -0.82  -0.94  34.85  28.03    2.1  0.277  1484.0
 220.0   0.48   0.47  34.73  27.86   23.7  0.155  1454.7      2340.0  -0.83  -0.95  34.85  28.03    1.9  0.278  1484.8
 230.0   0.67   0.66  34.76  27.87   22.2  0.157  1455.8      2390.0  -0.82  -0.95  34.85  28.03    2.0  0.279  1485.7
 240.0   0.87   0.86  34.80  27.89   21.0  0.159  1456.9      2440.0  -0.82  -0.95  34.85  28.03    1.7  0.280  1486.6
 250.0   1.05   1.04  34.83  27.91   19.4  0.161  1458.0      2490.0  -0.82  -0.95  34.85  28.02    1.9  0.281  1487.5
 260.0   1.09   1.08  34.85  27.92   18.6  0.163  1458.3      2540.0  -0.82  -0.95  34.85  28.03    1.6  0.282  1488.4
 270.0   1.17   1.15  34.88  27.93   17.1  0.165  1458.9      2590.0  -0.81  -0.95  34.85  28.02    1.8  0.283  1489.2
 280.0   1.18   1.17  34.88  27.94   16.5  0.167  1459.1      2640.0  -0.81  -0.96  34.85  28.03    1.4  0.284  1490.1
 290.0   1.11   1.09  34.88  27.94   16.2  0.169  1459.0      2690.0  -0.81  -0.96  34.85  28.03    1.4  0.284  1491.0
 300.0   1.15   1.14  34.90  27.96   15.1  0.170  1459.3      2740.0  -0.81  -0.96  34.85  28.03    1.1  0.285  1491.9
 310.0   1.25   1.24  34.91  27.96   15.0  0.172  1460.0      2790.0  -0.81  -0.96  34.85  28.03    1.1  0.286  1492.8
 320.0   1.27   1.26  34.93  27.97   14.1  0.173  1460.3      2840.0  -0.80  -0.96  34.85  28.03    1.1  0.286  1493.7
 330.0   1.30   1.28  34.94  27.98   13.5  0.175  1460.5      2890.0  -0.80  -0.96  34.85  28.03    1.1  0.287  1494.6
 340.0   1.26   1.24  34.93  27.98   13.5  0.176  1460.5      2940.0  -0.79  -0.96  34.85  28.03    1.1  0.287  1495.5
 350.0   1.21   1.19  34.93  27.98   13.1  0.177  1460.5      2990.0  -0.79  -0.96  34.86  28.03    0.6  0.288  1496.4
 360.0   1.17   1.15  34.93  27.98   13.0  0.179  1460.5      3040.0  -0.79  -0.96  34.86  28.03    0.6  0.288  1497.3
 370.0   1.14   1.12  34.93  27.98   12.9  0.180  1460.5      3090.0  -0.78  -0.96  34.86  28.03    0.6  0.288  1498.2
 380.0   1.09   1.07  34.93  27.98   12.8  0.181  1460.4      3140.0  -0.77  -0.96  34.86  28.03    0.5  0.289  1499.1
 390.0   1.05   1.03  34.93  27.99   12.4  0.182  1460.4      3190.0  -0.77  -0.96  34.86  28.03    0.4  0.289  1500.0
 400.0   1.03   1.01  34.93  27.99   12.3  0.184  1460.5      3240.0  -0.76  -0.96  34.87  28.03   -0.1  0.289  1500.9
 410.0   1.00   0.98  34.94  27.99   11.6  0.185  1460.5      3290.0  -0.76  -0.96  34.87  28.04   -0.7  0.289  1501.8
 420.0   0.98   0.96  34.94  28.00   11.5  0.186  1460.6      3340.0  -0.75  -0.96  34.87  28.04   -0.8  0.288  1502.7
 430.0   0.97   0.95  34.93  27.99   11.6  0.187  1460.7      3373.7  -0.75  -0.96  34.88  28.05   -1.2  0.288  1503.3
 440.0   0.96   0.94  34.94  28.00   11.3  0.188  1460.9
 450.0   0.95   0.93  34.94  28.00   11.3  0.190  1461.0
 460.0   0.94   0.92  34.94  28.00   11.3  0.191  1461.1
 470.0   0.92   0.89  34.94  28.00   11.1  0.192  1461.2
 480.0   0.89   0.87  34.94  28.00   11.0  0.193  1461.2
 490.0   0.88   0.86  34.94  28.01   10.6  0.194  1461.3
 500.0   0.88   0.85  34.94  28.00   10.7  0.195  1461.5
 530.0   0.81   0.79  34.94  28.01   10.3  0.198  1461.7
 560.0   0.75   0.72  34.94  28.01    9.9  0.201  1461.9
 590.0   0.68   0.65  34.94  28.02    9.6  0.204  1462.1
 620.0   0.61   0.58  34.94  28.02    9.2  0.207  1462.3
 650.0   0.51   0.48  34.93  28.02    8.7  0.210  1462.3
 680.0   0.40   0.37  34.93  28.03    8.2  0.212  1462.3
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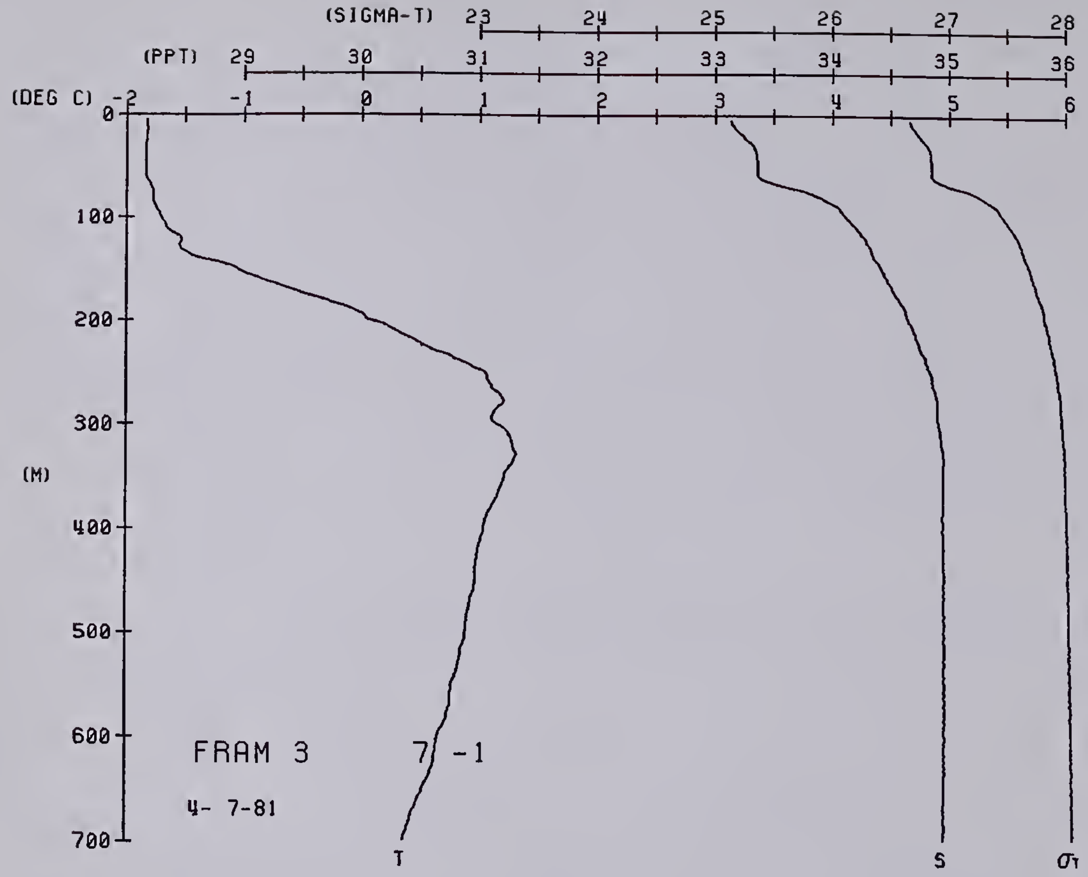
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300
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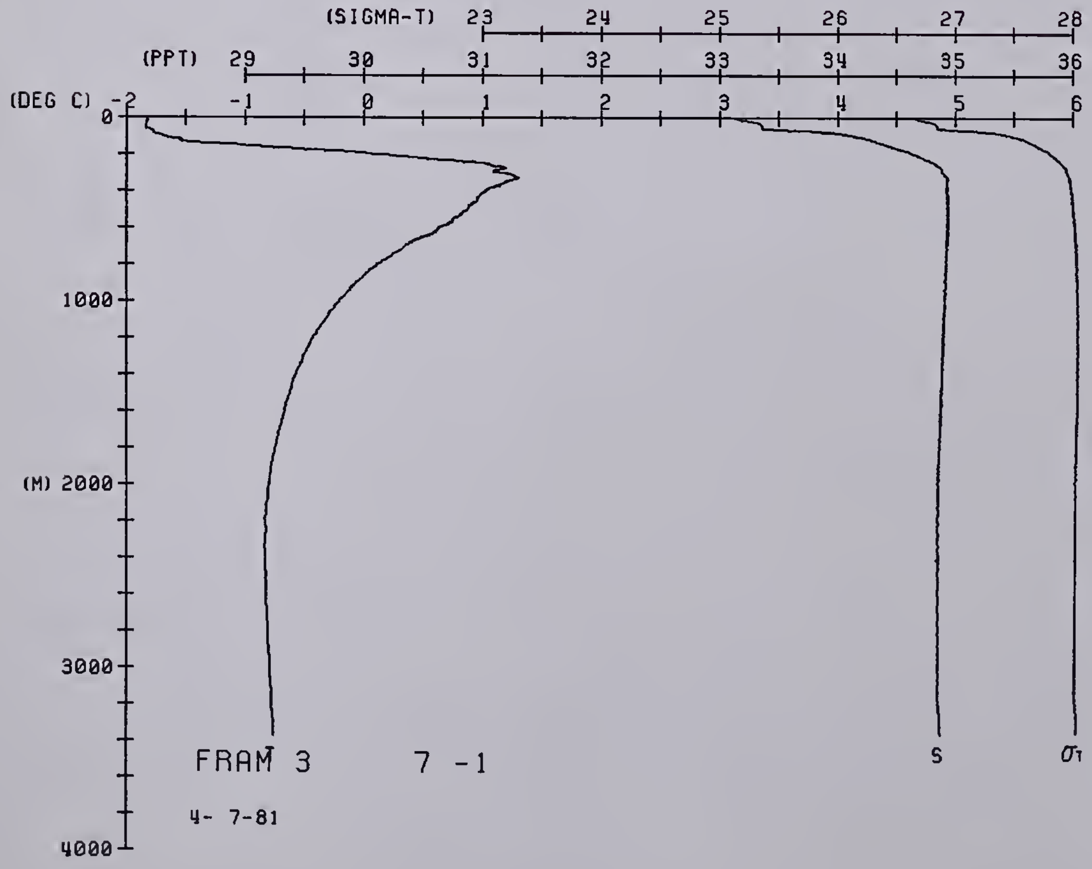
FRAM 3 7 -1
4- 7-81
T
S
σT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(M) 2000
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4000
FRAM 3 7 -1
4- 7-81
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S
σT

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AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.88   -1.88   33.76   27.18    88.2   0.000   1438.8
   4.0   -1.88   -1.88   33.76   27.18    88.1   0.004   1438.9
   5.0   -1.87   -1.87   33.76   27.18    88.0   0.004   1438.9
  10.0   -1.87   -1.87   33.77   27.18    87.8   0.009   1439.0
  15.0   -1.87   -1.87   33.76   27.18    88.0   0.013   1439.1
  20.0   -1.87   -1.87   33.77   27.19    87.0   0.018   1439.2
  25.0   -1.87   -1.87   33.80   27.21    85.1   0.022   1439.3
  30.0   -1.87   -1.87   33.82   27.22    83.6   0.026   1439.4
  35.0   -1.87   -1.87   33.83   27.23    82.4   0.031   1439.5
  40.0   -1.87   -1.87   33.85   27.25    81.1   0.035   1439.6
  45.0   -1.88   -1.88   33.85   27.25    80.7   0.039   1439.7
  50.0   -1.88   -1.88   33.86   27.26    80.1   0.043   1439.8
  55.0   -1.88   -1.88   33.85   27.25    81.1   0.047   1439.9
  60.0   -1.88   -1.88   33.85   27.25    80.8   0.051   1439.9
  65.0   -1.87   -1.87   33.87   27.26    79.5   0.055   1440.1
  70.0   -1.85   -1.85   33.90   27.28    77.4   0.059   1440.3
  75.0   -1.82   -1.82   33.96   27.34    72.3   0.063   1440.6
  80.0   -1.78   -1.78   34.02   27.38    68.2   0.066   1441.0
  85.0   -1.74   -1.74   34.07   27.43    63.9   0.070   1441.3
  90.0   -1.70   -1.70   34.13   27.47    59.7   0.073   1441.7
  95.0   -1.63   -1.63   34.18   27.51    55.8   0.076   1442.2
 100.0   -1.67   -1.67   34.27   27.58    49.2   0.078   1442.2
 110.0   -1.75   -1.75   34.28   27.59    48.0   0.083   1442.0
 120.0   -1.67   -1.68   34.31   27.62    45.6   0.088   1442.5
 130.0   -1.69   -1.69   34.34   27.64    43.5   0.093   1442.7
 140.0   -1.55   -1.55   34.36   27.65    42.4   0.097   1443.5
 150.0   -1.35   -1.36   34.36   27.65    42.9   0.101   1444.6
 160.0   -0.89   -0.90   34.44   27.70    38.3   0.105   1447.1
 170.0   -0.69   -0.70   34.48   27.72    36.1   0.109   1448.2
 180.0   -0.39   -0.40   34.52   27.73    34.9   0.113   1449.8
 190.0    0.16    0.15   34.62   27.79    29.5   0.116   1452.6
 200.0    0.26    0.25   34.65   27.81    28.3   0.119   1453.3
 210.0    0.61    0.60   34.72   27.84    25.3   0.122   1455.2
 220.0    0.84    0.83   34.73   27.84    25.4   0.124   1456.4
 230.0    1.11    1.10   34.79   27.87    23.1   0.127   1457.8
 240.0    1.29    1.28   34.84   27.89    21.0   0.129   1458.9
 250.0    1.32    1.31   34.87   27.92    18.3   0.131   1459.2
 260.0    1.36    1.35   34.89   27.93    17.6   0.133   1459.6
 270.0    1.40    1.38   34.89   27.93    17.7   0.134   1459.9
 280.0    1.50    1.48   34.92   27.94    16.5   0.136   1460.6
 290.0    1.53    1.52   34.94   27.96    15.1   0.138   1460.9
 300.0    1.52    1.50   34.96   27.98    13.4   0.139   1461.0
 310.0    1.50    1.48   34.95   27.97    13.9   0.141   1461.1
 320.0    1.48    1.46   34.96   27.98    13.5   0.142   1461.2
 330.0    1.44    1.42   34.97   27.99    11.8   0.143   1461.2
 340.0    1.41    1.39   34.97   27.99    12.2   0.144   1461.2
 350.0    1.40    1.38   34.96   27.98    12.8   0.146   1461.4
 360.0    1.37    1.35   34.97   27.99    11.8   0.147   1461.4
 370.0    1.36    1.34   34.97   28.00    11.8   0.148   1461.5
 380.0    1.33    1.31   34.98   28.01    10.9   0.149   1461.5
 390.0    1.29    1.27   34.97   28.00    11.4   0.150   1461.5
 400.0    1.24    1.22   34.97   28.01    10.5   0.152   1461.5
 410.0    1.20    1.18   34.97   28.01    10.3   0.153   1461.5
 420.0    1.17    1.14   34.98   28.02     9.8   0.154   1461.5
 430.0    1.13    1.11   34.97   28.01    10.3   0.155   1461.5
 440.0    1.11    1.09   34.97   28.01    10.3   0.156   1461.6
 450.0    1.07    1.05   34.98   28.02     9.3   0.157   1461.6
 460.0    1.04    1.02   34.97   28.02     9.7   0.158   1461.6
 470.0    1.04    1.02   34.97   28.02     9.9   0.159   1461.8
 480.0    1.03    1.00   34.97   28.02     9.4   0.160   1461.9
 490.0    1.00    0.98   34.97   28.02     9.5   0.161   1461.9
 500.0    1.00    0.98   34.96   28.01    10.0   0.162   1462.1
 503.9    1.00    0.97   34.97   28.02     9.1   0.162   1462.1
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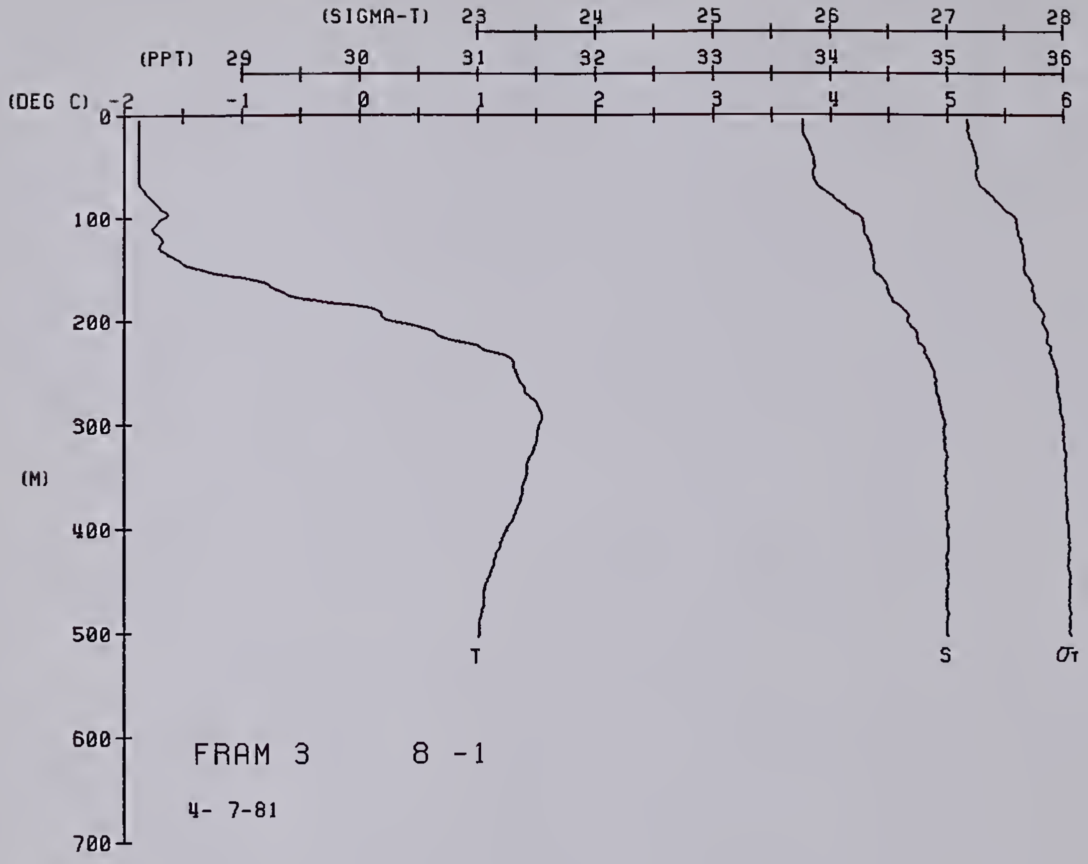

FRAM 3 8 -1

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                                   AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND            DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

    0.0   -1.81   -1.81   33.08   26.62   141.1   0.000   1438.2            710.0    0.37    0.33   34.93   28.03     8.0   0.214   1462.7
    4.0   -1.81   -1.81   33.08   26.62   141.1   0.006   1438.2            740.0    0.26    0.23   34.92   28.03     7.7   0.216   1462.7
    5.0   -1.82   -1.82   33.08   26.62   140.7   0.007   1438.2            790.0    0.13    0.09   34.92   28.04     6.9   0.220   1462.9
   10.0   -1.82   -1.82   33.09   26.63   140.1   0.014   1438.3            840.0    0.04    0.00   34.91   28.03     6.8   0.223   1463.4
   15.0   -1.82   -1.82   33.14   26.67   136.2   0.021   1438.4            890.0   -0.05   -0.08   34.91   28.04     6.4   0.227   1463.8
   20.0   -1.83   -1.83   33.23   26.75   128.7   0.028   1438.6            940.0   -0.13   -0.17   34.91   28.04     5.8   0.230   1464.3
   25.0   -1.83   -1.83   33.29   26.79   124.4   0.034   1438.8            990.0   -0.19   -0.23   34.91   28.04     5.5   0.233   1464.8
   30.0   -1.84   -1.84   33.34   26.83   120.6   0.041   1438.9           1040.0   -0.25   -0.29   34.90   28.04     5.5   0.235   1465.4
   35.0   -1.84   -1.84   33.35   26.84   119.4   0.047   1439.0           1064.7   -0.28   -0.33   34.90   28.04     5.3   0.237   1465.7
   40.0   -1.84   -1.84   33.37   26.85   118.3   0.053   1439.1
   45.0   -1.84   -1.84   33.36   26.85   118.5   0.059   1439.2
   50.0   -1.83   -1.83   33.39   26.87   116.6   0.064   1439.3
   55.0   -1.81   -1.81   33.52   26.98   106.5   0.070   1439.7
   60.0   -1.79   -1.79   33.66   27.09    96.1   0.075   1440.1
   65.0   -1.77   -1.77   33.75   27.17    88.6   0.080   1440.4
   70.0   -1.77   -1.77   33.85   27.25    81.0   0.084   1440.6
   75.0   -1.77   -1.78   33.99   27.36    70.4   0.088   1440.9
   80.0   -1.76   -1.76   34.07   27.42    64.2   0.091   1441.1
   85.0   -1.70   -1.70   34.11   27.46    61.0   0.095   1441.6
   90.0   -1.67   -1.67   34.15   27.48    58.4   0.098   1441.8
   95.0   -1.70   -1.70   34.18   27.51    55.5   0.101   1441.8
  100.0   -1.67   -1.67   34.21   27.54    53.3   0.103   1442.1
  110.0   -1.66   -1.66   34.25   27.57    50.1   0.108   1442.4
  120.0   -1.56   -1.56   34.29   27.60    47.3   0.113   1443.1
  130.0   -1.51   -1.51   34.32   27.62    45.4   0.118   1443.5
  140.0   -1.65   -1.65   34.32   27.63    44.5   0.123   1443.0
  150.0   -1.61   -1.62   34.35   27.65    42.5   0.127   1443.4
  160.0   -1.18   -1.19   34.40   27.68    40.0   0.131   1445.6
  170.0   -0.86   -0.86   34.45   27.70    37.9   0.135   1447.4
  180.0   -0.64   -0.65   34.50   27.73    35.1   0.139   1448.6
  190.0   -0.40   -0.41   34.55   27.76    32.4   0.142   1450.0
  200.0   -0.07   -0.07   34.60   27.79    29.8   0.145   1451.8
  210.0    0.23    0.22   34.66   27.82    27.4   0.148   1453.4
  220.0    0.58    0.57   34.71   27.84    25.5   0.151   1455.2
  230.0    0.99    0.98   34.77   27.86    23.8   0.153   1457.3
  240.0    1.04    1.02   34.79   27.87    22.5   0.156   1457.7
  250.0    1.19    1.18   34.83   27.90    20.6   0.158   1458.6
  260.0    1.33    1.32   34.86   27.91    19.7   0.160   1459.4
  270.0    1.42    1.41   34.88   27.92    18.9   0.162   1460.0
  280.0    1.40    1.38   34.88   27.92    18.3   0.164   1460.1
  290.0    1.34    1.33   34.89   27.93    17.3   0.166   1460.0
  300.0    1.24    1.22   34.89   27.94    16.9   0.167   1459.7
  310.0    1.09    1.07   34.88   27.94    16.6   0.169   1459.2
  320.0    1.22    1.21   34.90   27.95    15.7   0.171   1460.0
  330.0    1.35    1.34   34.94   27.98    13.5   0.172   1460.8
  340.0    1.36    1.34   34.93   27.97    14.4   0.174   1461.0
  350.0    1.35    1.34   34.94   27.97    13.9   0.175   1461.1
  360.0    1.34    1.32   34.94   27.97    13.7   0.176   1461.2
  370.0    1.21    1.19   34.93   27.98    13.5   0.178   1460.8
  380.0    1.18    1.16   34.93   27.98    13.3   0.179   1460.8
  390.0    1.13    1.11   34.93   27.98    12.8   0.180   1460.8
  400.0    1.04    1.02   34.93   27.98    12.7   0.182   1460.5
  410.0    1.06    1.04   34.93   27.99    12.3   0.183   1460.8
  420.0    1.07    1.04   34.94   27.99    12.1   0.184   1461.0
  430.0    1.07    1.05   34.94   28.00    11.6   0.185   1461.2
  440.0    1.06    1.04   34.94   28.00    11.6   0.187   1461.3
  450.0    1.03    1.01   34.94   28.00    11.7   0.188   1461.3
  460.0    0.96    0.94   34.93   27.99    11.7   0.189   1461.2
  470.0    0.94    0.92   34.93   28.00    11.7   0.190   1461.3
  480.0    0.92    0.90   34.94   28.00    11.3   0.191   1461.3
  490.0    0.90    0.88   34.94   28.00    11.1   0.193   1461.4
  500.0    0.92    0.89   34.94   28.00    11.1   0.194   1461.7
  530.0    0.83    0.81   34.93   28.00    10.8   0.197   1461.8
  560.0    0.77    0.74   34.94   28.01     9.9   0.200   1462.0
  590.0    0.69    0.66   34.94   28.02     9.5   0.203   1462.1
  620.0    0.59    0.56   34.94   28.02     9.0   0.206   1462.2
  650.0    0.51    0.48   34.93   28.02     8.8   0.209   1462.3
  680.0    0.41    0.38   34.92   28.02     8.6   0.211   1462.4
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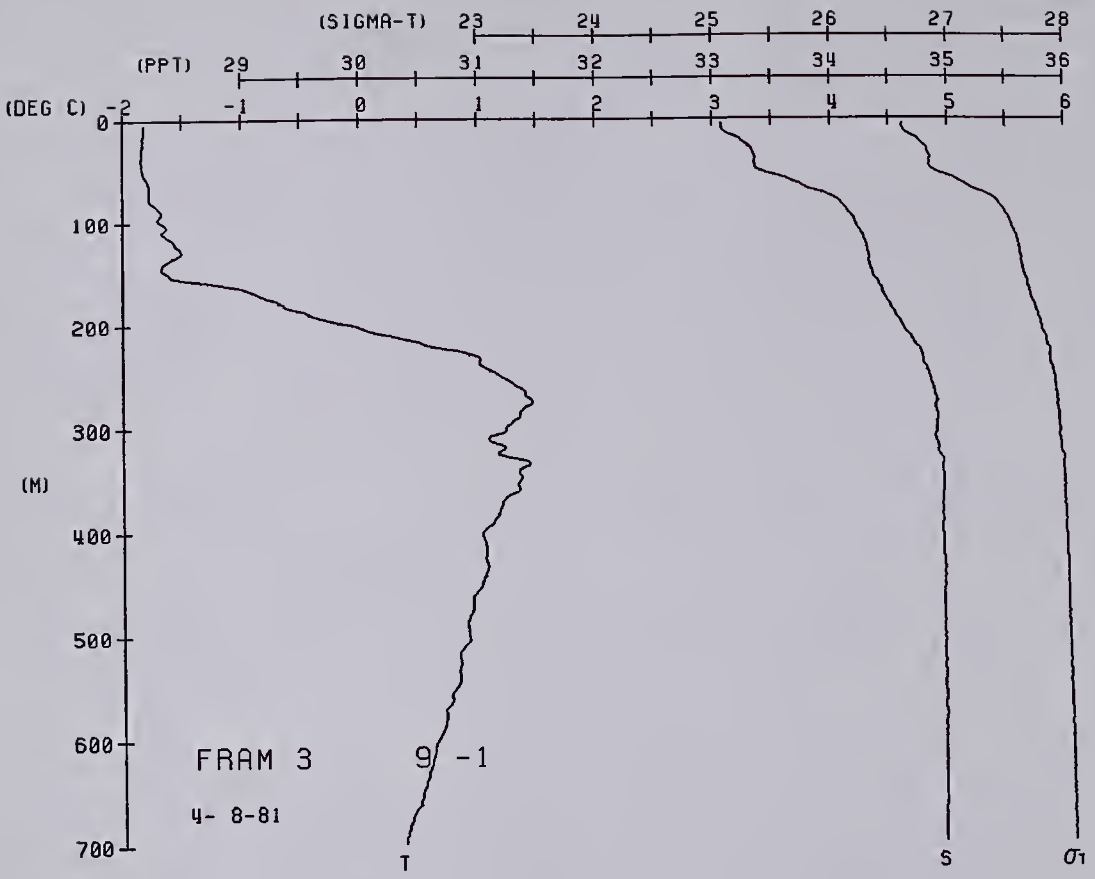
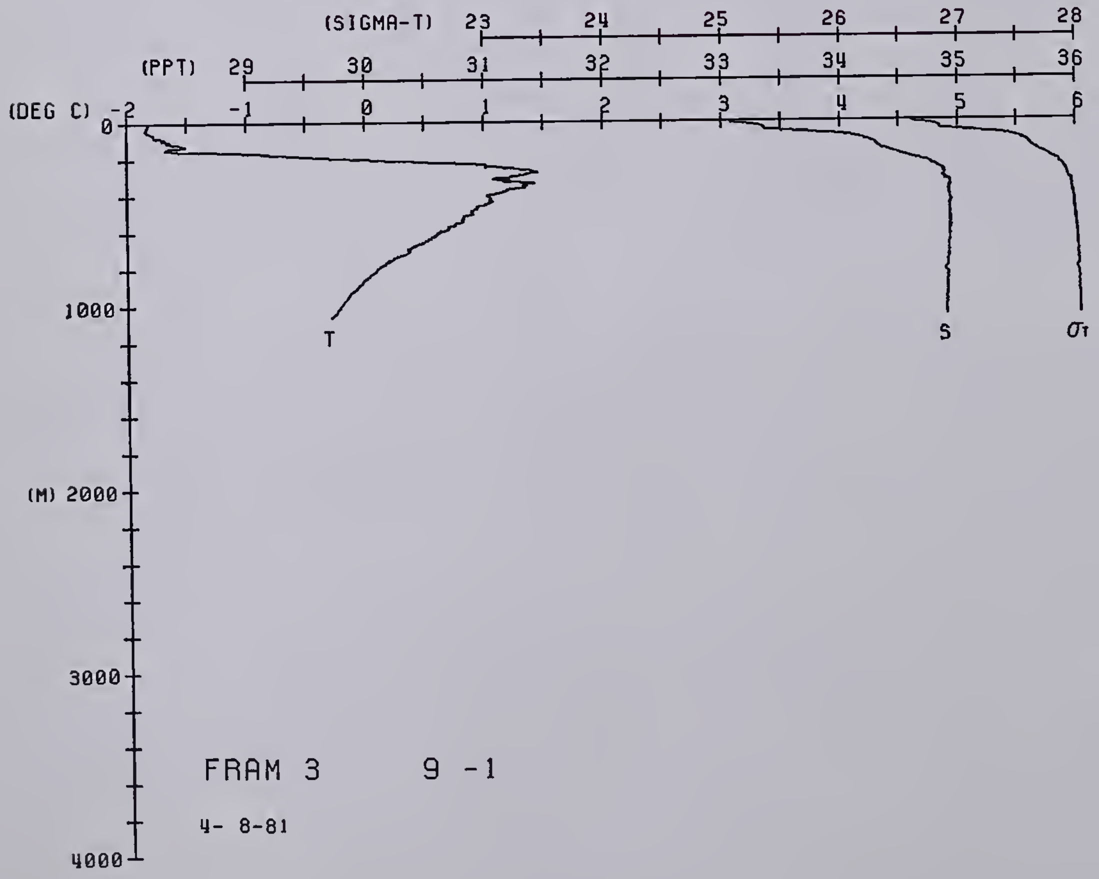


FRAM 3 9 -1

4- 8-81



FRAM 3 9 -1

4- 8-81

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 FRAM 3  STATION  10(1) CTD   8/APR/1981 1416 GMT  CODE = 5
LAT = 83.0948N LNG =   9.9017E LTER =      30. LGER =     30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T  SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   33.06   26.60  142.4   0.000  1438.1
   4.0   -1.82   -1.82   33.06   26.60  142.4   0.006  1438.2
   5.0   -1.82   -1.82   33.06   26.60  142.3   0.007  1438.2
  10.0   -1.82   -1.82   33.08   26.62  141.0   0.014  1438.3
  15.0   -1.83   -1.83   33.12   26.65  137.9   0.021  1438.4
  20.0   -1.83   -1.83   33.18   26.70  132.9   0.028  1438.6
  25.0   -1.83   -1.83   33.25   26.75  127.8   0.035  1438.7
  30.0   -1.83   -1.83   33.27   26.78  125.9   0.041  1438.8
  35.0   -1.83   -1.83   33.28   26.79  124.9   0.048  1438.9
  40.0   -1.84   -1.84   33.30   26.80  123.7   0.054  1439.0
  45.0   -1.83   -1.83   33.31   26.81  122.6   0.060  1439.1
  50.0   -1.81   -1.81   33.36   26.85  118.7   0.066  1439.4
  55.0   -1.82   -1.82   33.45   26.92  111.6   0.072  1439.6
  60.0   -1.80   -1.80   33.55   27.00  104.3   0.077  1439.9
  65.0   -1.79   -1.79   33.62   27.06   98.7   0.083  1440.1
  70.0   -1.78   -1.78   33.71   27.14   91.5   0.087  1440.4
  75.0   -1.78   -1.78   33.77   27.18   86.8   0.092  1440.5
  80.0   -1.77   -1.78   33.86   27.26   79.9   0.096  1440.8
  85.0   -1.77   -1.78   33.94   27.32   74.2   0.100  1441.0
  90.0   -1.76   -1.76   33.99   27.36   70.1   0.104  1441.2
  95.0   -1.72   -1.72   34.08   27.43   63.3   0.107  1441.6
 100.0   -1.68   -1.69   34.15   27.49   58.0   0.110  1441.9
 110.0   -1.64   -1.65   34.25   27.57   50.5   0.116  1442.4
 120.0   -1.79   -1.80   34.29   27.60   47.1   0.121  1441.9
 130.0   -1.75   -1.76   34.30   27.61   45.8   0.125  1442.3
 140.0   -1.60   -1.60   34.34   27.64   43.5   0.130  1443.3
 150.0   -1.22   -1.22   34.39   27.66   41.3   0.134  1445.3
 160.0   -0.95   -0.96   34.44   27.70   38.3   0.138  1446.8
 170.0   -0.68   -0.68   34.49   27.73   35.5   0.142  1448.3
 180.0   -0.40   -0.41   34.54   27.76   32.8   0.145  1449.8
 190.0   -0.13   -0.13   34.59   27.78   30.5   0.148  1451.3
 200.0    0.23    0.23   34.65   27.81   28.1   0.151  1453.2
 210.0    0.75    0.74   34.73   27.84   25.3   0.154  1455.8
 220.0    1.00    0.99   34.76   27.85   24.7   0.157  1457.1
 230.0    0.97    0.96   34.77   27.86   23.6   0.159  1457.2
 240.0    1.04    1.03   34.80   27.88   21.7   0.161  1457.7
 250.0    1.26    1.25   34.84   27.90   20.2   0.163  1458.9
 260.0    1.30    1.29   34.86   27.91   19.3   0.165  1459.3
 270.0    1.26    1.24   34.87   27.92   18.1   0.167  1459.3
 280.0    1.28    1.27   34.88   27.93   17.4   0.169  1459.6
 290.0    1.10    1.09   34.88   27.94   16.6   0.171  1458.9
 300.0    1.07    1.06   34.87   27.94   16.6   0.173  1458.9
 310.0    1.03    1.02   34.88   27.94   16.2   0.174  1458.9
 320.0    1.13    1.11   34.90   27.95   15.4   0.176  1459.6
 330.0    1.17    1.15   34.92   27.97   14.3   0.177  1459.9
 340.0    1.21    1.19   34.93   27.97   13.7   0.179  1460.3
 350.0    1.13    1.12   34.93   27.98   13.3   0.180  1460.1
 360.0    1.08    1.06   34.92   27.98   13.0   0.181  1460.0
 370.0    1.03    1.01   34.92   27.98   13.2   0.183  1460.0
 380.0    0.98    0.96   34.91   27.98   13.3   0.184  1459.9
 390.0    0.96    0.94   34.91   27.98   12.9   0.185  1460.0
 391.4    0.98    0.96   34.91   27.98   13.1   0.186  1460.1
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```
 FRAM 3  STATION  11(1) CTD   8/APR/1981 1706 GMT  CODE = 5
LAT = 83.1018N LNG =   9.8637E LTER =      30. LGER =     30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T  SPVOL   DYNHT   SOUND

  0.0   -1.83   -1.83   33.07   26.61  141.5   0.000  1438.1
  4.0   -1.83   -1.83   33.07   26.61  141.4   0.006  1438.2
  5.0   -1.82   -1.82   33.07   26.61  141.8   0.007  1438.2
 10.0   -1.82   -1.82   33.07   26.61  141.5   0.014  1438.3
 15.0   -1.83   -1.83   33.11   26.64  138.7   0.021  1438.4
 20.0   -1.83   -1.83   33.16   26.69  134.3   0.028  1438.5
 25.0   -1.83   -1.83   33.20   26.72  131.6   0.035  1438.7
 30.0   -1.83   -1.83   33.24   26.75  128.4   0.042  1438.8
 35.0   -1.83   -1.83   33.25   26.76  127.6   0.048  1438.9
 40.0   -1.83   -1.83   33.27   26.77  126.0   0.054  1439.0
 45.0   -1.83   -1.83   33.32   26.82  121.7   0.061  1439.2
 50.0   -1.82   -1.82   33.43   26.91  113.1   0.067  1439.5
 55.0   -1.81   -1.81   33.46   26.93  110.8   0.072  1439.6
 60.0   -1.80   -1.80   33.51   26.97  107.2   0.078  1439.8
 65.0   -1.79   -1.79   33.62   27.06   98.7   0.083  1440.1
 70.0   -1.78   -1.79   33.74   27.16   89.2   0.088  1440.4
 75.0   -1.78   -1.78   33.86   27.25   80.4   0.092  1440.7
 80.0   -1.77   -1.78   33.92   27.30   75.4   0.096  1440.9
 85.0   -1.77   -1.77   33.97   27.34   72.1   0.100  1441.0
 90.0   -1.75   -1.75   34.01   27.38   68.3   0.103  1441.3
 95.0   -1.72   -1.73   34.05   27.40   65.8   0.107  1441.5
100.0   -1.71   -1.71   34.11   27.46   60.9   0.110  1441.8
110.0   -1.64   -1.64   34.17   27.50   56.9   0.116  1442.4
120.0   -1.55   -1.55   34.24   27.55   51.6   0.121  1443.0
130.0   -1.48   -1.48   34.27   27.58   49.3   0.126  1443.6
140.0   -1.59   -1.59   34.31   27.61   45.9   0.131  1443.3
150.0   -1.54   -1.54   34.33   27.63   44.2   0.136  1443.7
160.0   -1.18   -1.19   34.34   27.62   44.9   0.140  1445.5
170.0   -0.93   -0.93   34.39   27.65   42.3   0.145  1447.0
180.0   -0.79   -0.80   34.43   27.68   39.6   0.149  1447.8
190.0   -0.48   -0.49   34.49   27.72   36.2   0.153  1449.5
200.0   -0.21   -0.21   34.54   27.74   34.2   0.156  1451.0
210.0    0.24    0.23   34.58   27.76   33.2   0.160  1453.3
220.0    0.62    0.61   34.67   27.81   28.8   0.163  1455.3
230.0    0.60    0.59   34.69   27.83   26.8   0.166  1455.4
240.0    0.78    0.77   34.72   27.84   25.7   0.168  1456.4
250.0    0.90    0.89   34.77   27.87   23.1   0.171  1457.2
260.0    0.85    0.84   34.79   27.88   21.6   0.173  1457.2
270.0    0.95    0.94   34.82   27.91   19.6   0.175  1457.8
280.0    1.08    1.07   34.87   27.93   17.1   0.177  1458.7
290.0    1.03    1.01   34.87   27.94   16.8   0.179  1458.6
300.0    0.99    0.97   34.87   27.94   16.4   0.180  1458.6
310.0    1.01    1.00   34.86   27.93   17.5   0.182  1458.8
320.0    1.16    1.14   34.90   27.96   15.1   0.184  1459.7
330.0    1.22    1.20   34.92   27.97   14.2   0.185  1460.1
340.0    1.15    1.13   34.93   27.98   13.4   0.187  1460.0
350.0    1.10    1.09   34.92   27.98   13.3   0.188  1460.0
360.0    1.06    1.05   34.91   27.97   13.8   0.189  1460.0
370.0    1.02    1.01   34.91   27.97   13.4   0.191  1459.9
380.0    0.99    0.97   34.91   27.97   13.5   0.192  1459.9
390.0    0.99    0.97   34.91   27.97   13.6   0.193  1460.1
400.0    1.05    1.04   34.92   27.98   13.4   0.195  1460.6
410.0    1.07    1.04   34.94   27.99   11.9   0.196  1460.8
420.0    1.03    1.00   34.93   27.99   12.4   0.197  1460.8
430.0    1.01    0.99   34.93   27.99   12.0   0.199  1460.9
440.0    1.00    0.98   34.93   27.99   11.9   0.200  1461.0
450.0    0.95    0.93   34.93   27.99   11.9   0.201  1461.0
460.0    0.94    0.91   34.92   27.99   12.2   0.202  1461.1
470.0    0.93    0.91   34.93   27.99   12.0   0.203  1461.2
480.0    0.94    0.92   34.94   28.00   11.1   0.205  1461.4
490.0    0.91    0.89   34.94   28.01   10.7   0.206  1461.5
493.1    0.90    0.88   34.93   27.99   11.8   0.206  1461.5
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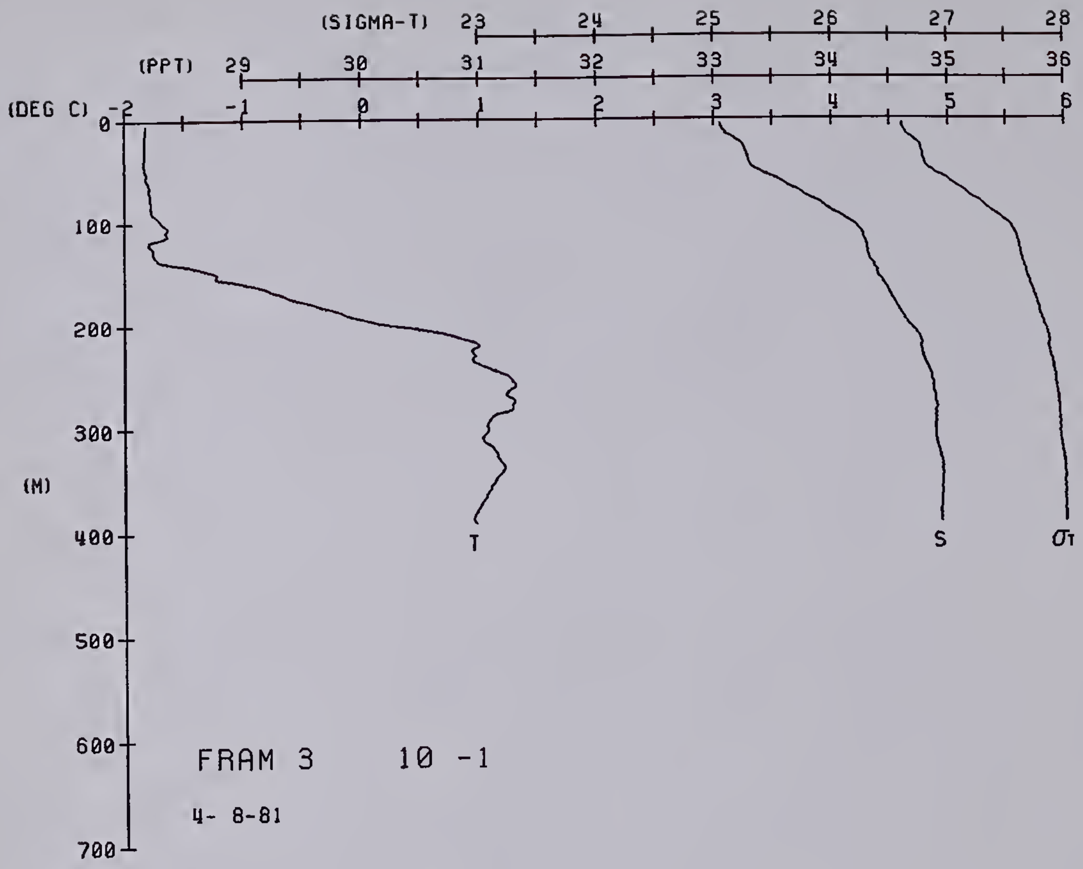

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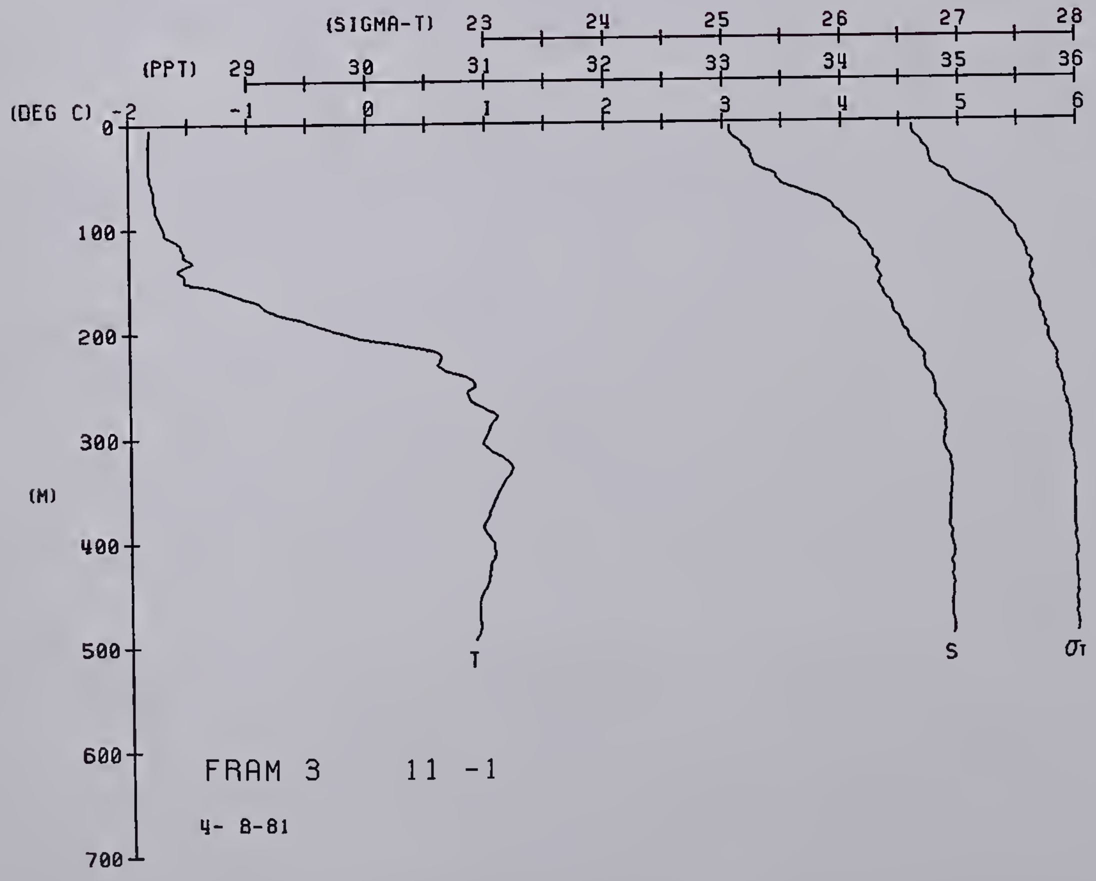

FRAM 3 11 -1

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 FRAM 3  STATION  12(2) CTD   8/APR/1981 1716 GMT  CODE = 5
LAT = 83.1018N LNG =   9.8637E LTER =      30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   33.10   26.63   139.6   0.000   1438.1
   4.0   -1.82   -1.82   33.10   26.63   139.5   0.006   1438.2
   5.0   -1.82   -1.82   33.10   26.63   139.4   0.007   1438.2
  10.0   -1.83   -1.83   33.12   26.65   137.9   0.014   1438.3
  15.0   -1.83   -1.83   33.15   26.68   135.2   0.021   1438.4
  20.0   -1.83   -1.83   33.19   26.71   131.9   0.028   1438.6
  25.0   -1.83   -1.83   33.24   26.75   127.9   0.034   1438.7
  30.0   -1.83   -1.83   33.27   26.78   125.9   0.041   1438.8
  35.0   -1.83   -1.83   33.29   26.79   124.5   0.047   1438.9
  40.0   -1.83   -1.83   33.33   26.82   121.5   0.053   1439.1
  45.0   -1.83   -1.83   33.45   26.92   112.2   0.059   1439.3
  50.0   -1.84   -1.84   33.48   26.95   109.3   0.065   1439.4
  55.0   -1.82   -1.82   33.51   26.97   107.1   0.070   1439.6
  60.0   -1.80   -1.80   33.59   27.04   100.9   0.075   1440.0
  65.0   -1.78   -1.78   33.73   27.14    90.7   0.080   1440.3
  70.0   -1.78   -1.78   33.83   27.23    82.4   0.085   1440.5
  75.0   -1.77   -1.78   33.91   27.30    76.3   0.089   1440.8
  80.0   -1.77   -1.78   33.95   27.33    73.3   0.092   1440.9
  85.0   -1.75   -1.75   33.99   27.36    70.2   0.096   1441.1
  90.0   -1.73   -1.73   34.05   27.41    65.4   0.100   1441.4
  95.0   -1.71   -1.71   34.11   27.45    61.3   0.103   1441.7
 100.0   -1.71   -1.71   34.14   27.48    58.7   0.106   1441.8
 110.0   -1.57   -1.57   34.22   27.54    53.0   0.111   1442.8
 120.0   -1.52   -1.52   34.27   27.58    49.2   0.117   1443.2
 130.0   -1.57   -1.57   34.28   27.59    48.3   0.122   1443.2
 140.0   -1.54   -1.55   34.33   27.63    44.7   0.126   1443.5
 150.0   -1.34   -1.35   34.36   27.65    42.9   0.131   1444.7
 160.0   -1.17   -1.17   34.39   27.66    41.3   0.135   1445.7
 170.0   -0.88   -0.88   34.43   27.69    38.8   0.139   1447.3
 180.0   -0.73   -0.74   34.47   27.72    36.5   0.143   1448.2
 190.0   -0.44   -0.44   34.52   27.74    34.0   0.146   1449.8
 200.0   -0.16   -0.17   34.57   27.77    31.6   0.150   1451.3
 210.0    0.32    0.31   34.65   27.81    28.3   0.153   1453.8
 220.0    0.65    0.64   34.70   27.83    26.4   0.155   1455.5
 230.0    0.61    0.60   34.73   27.85    24.6   0.158   1455.5
 240.0    0.82    0.81   34.77   27.87    22.6   0.160   1456.7
 250.0    0.80    0.79   34.79   27.89    21.2   0.163   1456.8
 260.0    0.84    0.83   34.81   27.91    19.3   0.165   1457.2
 270.0    1.01    1.00   34.86   27.93    17.3   0.167   1458.2
 280.0    1.04    1.03   34.88   27.94    16.2   0.168   1458.5
 290.0    0.99    0.98   34.87   27.94    16.4   0.170   1458.4
 300.0    0.95    0.94   34.87   27.94    16.0   0.172   1458.4
 310.0    1.05    1.03   34.89   27.95    15.3   0.173   1459.0
 320.0    1.21    1.19   34.93   27.97    13.7   0.175   1459.9
 330.0    1.20    1.18   34.94   27.98    13.0   0.176   1460.1
 340.0    1.15    1.13   34.93   27.98    13.3   0.177   1460.0
 350.0    1.10    1.09   34.93   27.98    13.0   0.179   1460.0
 360.0    1.06    1.05   34.92   27.98    13.1   0.180   1460.0
 370.0    1.02    1.00   34.92   27.98    13.1   0.181   1459.9
 380.0    0.98    0.96   34.92   27.98    12.9   0.183   1459.9
 390.0    1.03    1.01   34.92   27.98    12.7   0.184   1460.3
 400.0    1.07    1.05   34.94   27.99    12.0   0.185   1460.7
 410.0    1.07    1.05   34.94   27.99    11.8   0.186   1460.9
 420.0    1.03    1.01   34.94   27.99    11.9   0.187   1460.9
 430.0    1.00    0.98   34.94   27.99    11.7   0.189   1460.9
 440.0    0.98    0.95   34.94   28.00    11.6   0.190   1460.9
 450.0    0.94    0.92   34.94   28.00    11.2   0.191   1461.0
 460.0    0.94    0.92   34.94   28.00    11.3   0.192   1461.1
 470.0    0.95    0.93   34.94   28.00    11.3   0.193   1461.3
 480.0    0.93    0.90   34.94   28.00    11.1   0.194   1461.4
 490.0    0.90    0.88   34.94   28.00    11.0   0.196   1461.4
 490.1    0.90    0.88   34.94   28.00    11.0   0.196   1461.4
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 FRAM 3  STATION  13(1) CTD   9/APR/1981 1038 GMT  CODE = 5
LAT = 83.1963N LNG =   9.4957E LTER =      30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   12.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   32.80   26.40   162.2   0.000   1437.7
   4.0   -1.82   -1.82   32.80   26.40   162.1   0.007   1437.8
   5.0   -1.82   -1.82   32.80   26.40   162.1   0.008   1437.8
  10.0   -1.82   -1.82   32.82   26.41   161.1   0.016   1437.9
  15.0   -1.82   -1.82   32.81   26.40   161.3   0.025   1438.0
  20.0   -1.82   -1.82   32.86   26.44   157.8   0.033   1438.2
  25.0   -1.83   -1.83   33.01   26.56   146.3   0.040   1438.4
  30.0   -1.83   -1.83   33.08   26.62   140.8   0.048   1438.6
  35.0   -1.83   -1.83   33.08   26.62   140.1   0.055   1438.7
  40.0   -1.83   -1.83   33.11   26.64   138.4   0.062   1438.8
  45.0   -1.83   -1.83   33.13   26.66   136.6   0.069   1438.9
  50.0   -1.84   -1.84   33.16   26.69   133.9   0.075   1439.0
  55.0   -1.84   -1.84   33.22   26.74   129.3   0.082   1439.2
  60.0   -1.82   -1.82   33.34   26.83   120.3   0.088   1439.5
  65.0   -1.81   -1.81   33.53   26.98   105.8   0.094   1439.9
  70.0   -1.80   -1.81   33.70   27.13    92.2   0.099   1440.2
  75.0   -1.78   -1.78   33.85   27.25    80.9   0.103   1440.7
  80.0   -1.77   -1.77   33.95   27.33    73.3   0.107   1440.9
  85.0   -1.76   -1.76   34.02   27.38    68.3   0.111   1441.1
  90.0   -1.76   -1.76   34.09   27.44    62.1   0.114   1441.3
  95.0   -1.73   -1.74   34.14   27.48    58.7   0.117   1441.6
 100.0   -1.66   -1.66   34.17   27.51    56.3   0.120   1442.1
 110.0   -1.61   -1.62   34.23   27.55    51.9   0.126   1442.5
 120.0   -1.79   -1.79   34.26   27.58    49.0   0.131   1441.9
 130.0   -1.77   -1.77   34.28   27.60    47.4   0.136   1442.2
 140.0   -1.73   -1.73   34.31   27.62    45.6   0.140   1442.6
 150.0   -1.57   -1.58   34.33   27.63    44.5   0.145   1443.5
 160.0   -1.04   -1.04   34.41   27.68    39.8   0.149   1446.3
 170.0   -0.90   -0.91   34.46   27.71    36.8   0.153   1447.2
 180.0   -0.60   -0.61   34.48   27.72    36.5   0.157   1448.8
 190.0   -0.26   -0.27   34.56   27.76    32.2   0.160   1450.6
 200.0   -0.13   -0.14   34.60   27.79    30.1   0.163   1451.5
 210.0    0.12    0.11   34.65   27.82    27.4   0.166   1452.8
 220.0    0.26    0.25   34.68   27.84    25.7   0.169   1453.7
 230.0    0.42    0.41   34.72   27.86    23.8   0.172   1454.6
 240.0    0.58    0.57   34.75   27.87    22.4   0.174   1455.6
 250.0    0.72    0.71   34.79   27.90    20.3   0.176   1456.4
 260.0    0.89    0.88   34.84   27.92    18.0   0.178   1457.4
 270.0    1.09    1.07   34.88   27.95    15.8   0.180   1458.5
 280.0    1.06    1.05   34.90   27.96    14.8   0.181   1458.6
 290.0    0.97    0.96   34.88   27.95    15.5   0.183   1458.3
 300.0    0.98    0.96   34.88   27.95    15.2   0.184   1458.5
 310.0    1.20    1.19   34.92   27.97    14.0   0.186   1459.8
 320.0    1.29    1.28   34.94   27.98    12.9   0.187   1460.4
 330.0    1.33    1.31   34.96   27.99    12.2   0.188   1460.7
 340.0    1.26    1.24   34.95   27.99    12.4   0.190   1460.6
 350.0    1.16    1.14   34.95   27.99    11.7   0.191   1460.3
 360.0    1.11    1.09   34.94   27.99    12.1   0.192   1460.2
 370.0    1.05    1.03   34.93   27.99    12.0   0.193   1460.1
 380.0    1.01    0.99   34.94   28.00    11.5   0.194   1460.1
 390.0    1.01    0.99   34.94   28.00    11.5   0.196   1460.3
 400.0    1.03    1.01   34.96   28.01     9.8   0.197   1460.5
 410.0    1.02    1.00   34.95   28.01    10.5   0.198   1460.6
 420.0    1.03    1.01   34.96   28.01    10.5   0.199   1460.9
 430.0    1.07    1.05   34.96   28.01    10.3   0.200   1461.2
 440.0    1.05    1.03   34.96   28.01    10.2   0.201   1461.3
 450.0    1.02    1.00   34.96   28.01    10.4   0.202   1461.3
 460.0    0.97    0.95   34.96   28.01    10.0   0.203   1461.3
 470.0    0.93    0.90   34.95   28.01    10.0   0.204   1461.2
 480.0    0.90    0.88   34.95   28.01    10.4   0.205   1461.3
 490.0    0.88    0.86   34.95   28.01    10.1   0.206   1461.3
 497.0    0.85    0.83   34.95   28.02     9.4   0.207   1461.3
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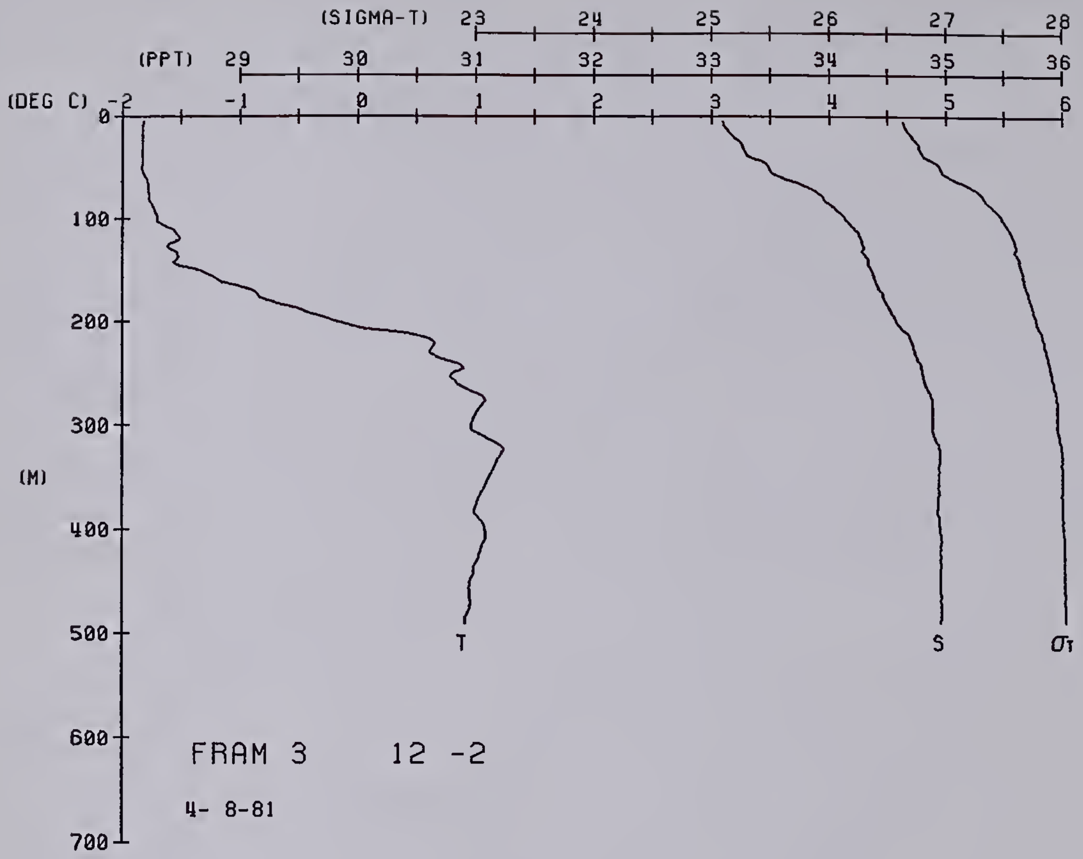
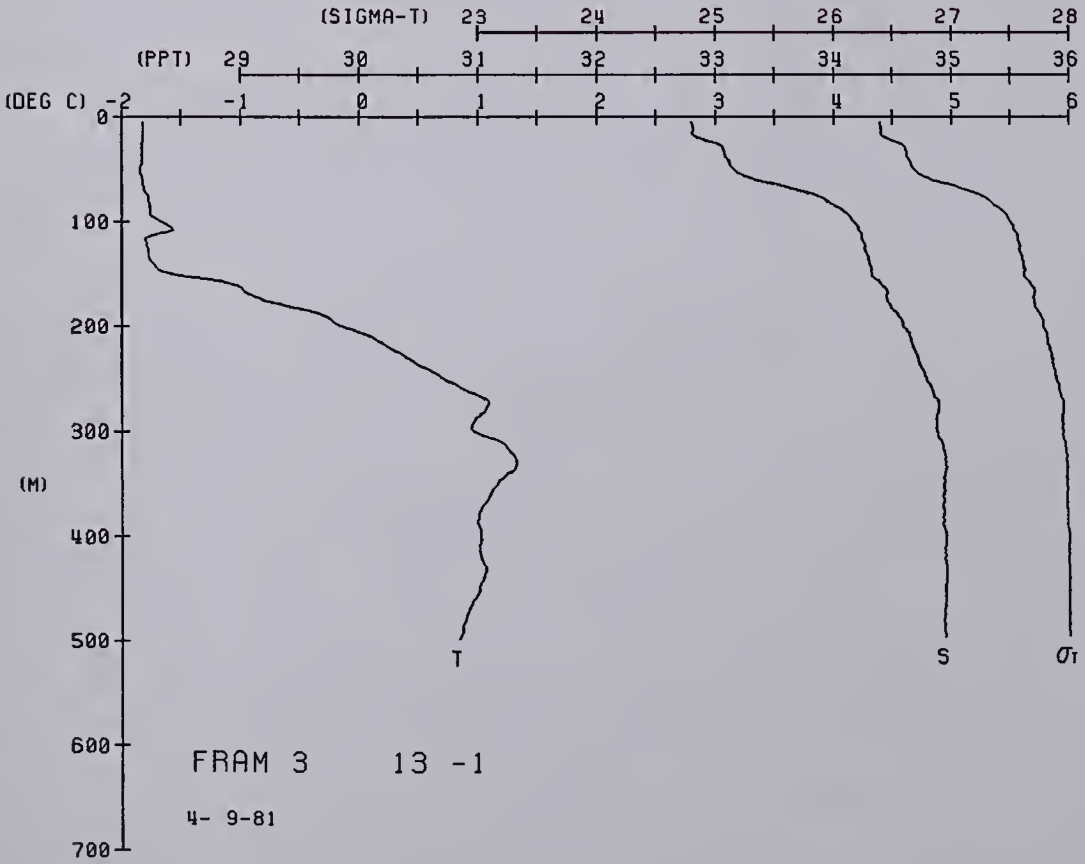


FRAM 3 12 -2

4- 8-81

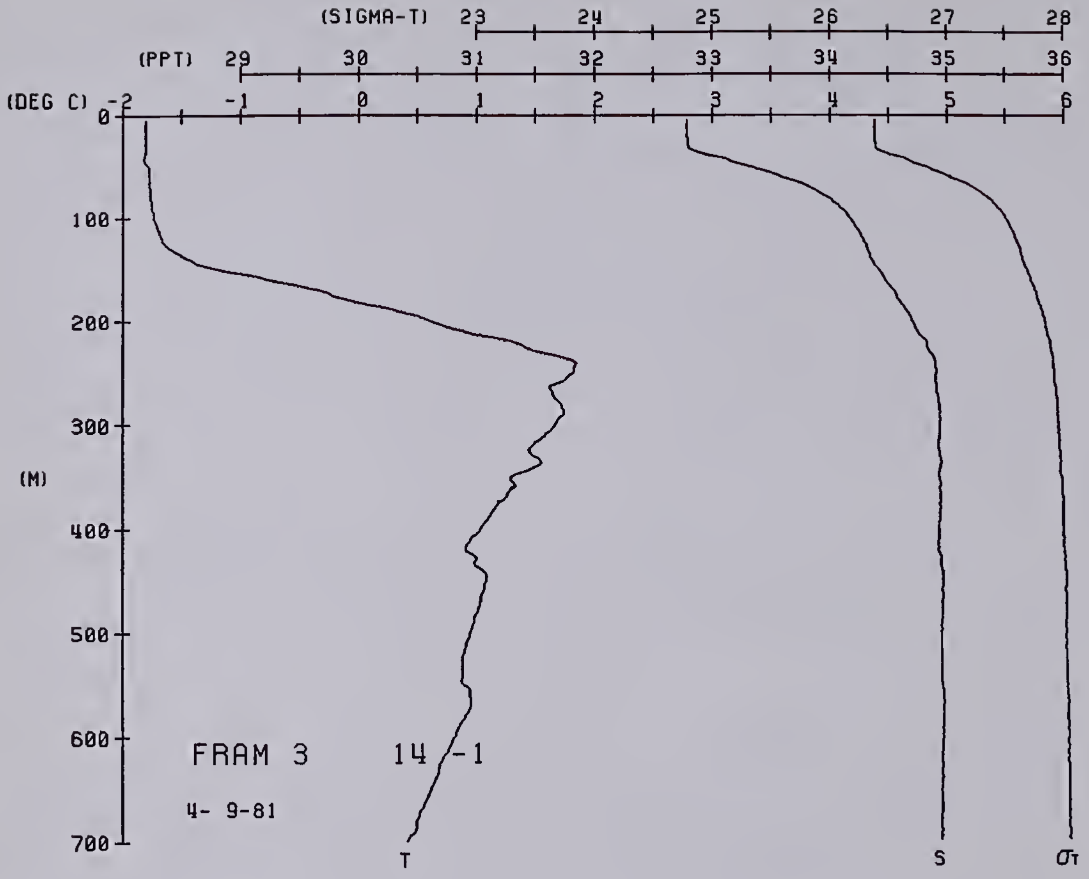


FRAM 3 13 -1

4- 9-81

FRAM 3 STATION 14(1) CTD 9/APR/1981 1146 GMT CODE = 5
LAT = 83.2018N LNG = 9.4672E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	32.78	26.38	163.6	0.000	1437.8
4.0	-1.80	-1.80	32.78	26.38	163.6	0.007	1437.9
5.0	-1.80	-1.80	32.79	26.38	163.5	0.008	1437.9
10.0	-1.80	-1.81	32.79	26.38	163.3	0.017	1437.9
15.0	-1.80	-1.81	32.79	26.38	163.2	0.025	1438.0
20.0	-1.80	-1.81	32.79	26.38	163.0	0.033	1438.1
25.0	-1.80	-1.81	32.79	26.39	162.8	0.041	1438.2
30.0	-1.80	-1.81	32.80	26.39	162.4	0.050	1438.3
35.0	-1.80	-1.81	32.85	26.43	158.7	0.058	1438.4
40.0	-1.81	-1.81	33.01	26.57	145.7	0.065	1438.7
45.0	-1.81	-1.81	33.17	26.69	133.8	0.072	1439.0
50.0	-1.78	-1.78	33.31	26.81	122.5	0.079	1439.5
55.0	-1.77	-1.77	33.46	26.93	110.8	0.085	1439.8
60.0	-1.77	-1.77	33.59	27.03	101.5	0.090	1440.1
65.0	-1.76	-1.77	33.72	27.14	91.5	0.095	1440.4
70.0	-1.77	-1.77	33.82	27.22	83.1	0.099	1440.6
75.0	-1.76	-1.77	33.90	27.29	77.0	0.103	1440.8
80.0	-1.76	-1.77	33.98	27.35	71.1	0.107	1441.0
85.0	-1.75	-1.75	34.04	27.40	66.5	0.111	1441.2
90.0	-1.75	-1.75	34.09	27.44	62.5	0.114	1441.4
95.0	-1.74	-1.74	34.14	27.48	59.0	0.117	1441.6
100.0	-1.73	-1.73	34.17	27.50	56.5	0.120	1441.7
110.0	-1.70	-1.70	34.22	27.55	52.2	0.125	1442.1
120.0	-1.66	-1.67	34.27	27.59	48.5	0.130	1442.5
130.0	-1.59	-1.59	34.32	27.62	45.3	0.135	1443.1
140.0	-1.43	-1.44	34.35	27.64	43.2	0.140	1444.1
150.0	-1.16	-1.17	34.41	27.68	39.8	0.144	1445.6
160.0	-0.75	-0.75	34.46	27.71	37.1	0.148	1447.8
170.0	-0.34	-0.34	34.53	27.75	33.8	0.151	1449.9
180.0	-0.08	-0.09	34.58	27.77	31.2	0.155	1451.3
190.0	0.32	0.32	34.65	27.80	28.6	0.158	1453.4
200.0	0.61	0.60	34.70	27.83	26.7	0.160	1454.9
210.0	0.88	0.87	34.74	27.85	25.1	0.163	1456.4
220.0	1.31	1.30	34.81	27.87	22.6	0.166	1458.6
230.0	1.54	1.52	34.85	27.88	21.9	0.168	1459.8
240.0	1.84	1.83	34.89	27.89	21.1	0.170	1461.4
250.0	1.81	1.80	34.89	27.90	20.6	0.172	1461.4
260.0	1.69	1.67	34.89	27.91	19.7	0.174	1461.0
270.0	1.64	1.63	34.90	27.92	18.8	0.176	1461.0
280.0	1.71	1.70	34.92	27.93	18.3	0.178	1461.5
290.0	1.73	1.71	34.92	27.93	18.0	0.180	1461.8
300.0	1.66	1.65	34.92	27.93	17.5	0.182	1461.6
310.0	1.57	1.56	34.92	27.94	17.0	0.183	1461.4
320.0	1.46	1.44	34.91	27.94	16.5	0.185	1461.1
330.0	1.48	1.46	34.92	27.95	16.0	0.187	1461.3
340.0	1.51	1.49	34.93	27.95	15.9	0.188	1461.6
350.0	1.29	1.28	34.92	27.96	15.1	0.190	1460.8
360.0	1.31	1.29	34.92	27.96	15.0	0.191	1461.1
370.0	1.24	1.22	34.93	27.97	14.1	0.193	1460.9
380.0	1.15	1.13	34.92	27.97	13.6	0.194	1460.7
390.0	1.09	1.07	34.92	27.97	13.7	0.196	1460.6
400.0	1.03	1.01	34.91	27.97	13.6	0.197	1460.5
410.0	0.95	0.93	34.91	27.98	13.3	0.198	1460.3
420.0	0.90	0.88	34.91	27.98	13.2	0.200	1460.2
430.0	0.99	0.97	34.92	27.98	12.6	0.201	1460.8
440.0	1.04	1.02	34.94	27.99	12.1	0.202	1461.2
450.0	1.07	1.05	34.94	27.99	11.8	0.203	1461.5
460.0	1.05	1.02	34.94	27.99	12.1	0.205	1461.6
470.0	1.02	1.00	34.94	27.99	11.9	0.206	1461.6
480.0	1.00	0.97	34.93	27.99	12.0	0.207	1461.7
490.0	0.97	0.95	34.93	27.99	12.3	0.208	1461.7
500.0	0.94	0.91	34.93	27.99	11.8	0.210	1461.7
530.0	0.87	0.84	34.93	28.00	11.6	0.213	1461.9
560.0	0.93	0.90	34.94	28.01	10.9	0.217	1462.7
590.0	0.84	0.81	34.94	28.01	10.5	0.220	1462.8
620.0	0.71	0.68	34.93	28.01	10.5	0.223	1462.7
650.0	0.60	0.57	34.92	28.01	10.0	0.226	1462.7
680.0	0.49	0.45	34.92	28.02	9.4	0.229	1462.7
710.0	0.38	0.34	34.91	28.02	9.1	0.232	1462.7
740.0	0.34	0.30	34.92	28.02	8.6	0.235	1463.0
790.0	0.22	0.19	34.91	28.02	8.4	0.239	1463.3
840.0	0.13	0.09	34.91	28.03	7.7	0.243	1463.7
890.0	0.02	-0.02	34.90	28.03	7.4	0.247	1464.1
940.0	-0.04	-0.08	34.91	28.03	6.7	0.250	1464.7
990.0	-0.14	-0.18	34.90	28.03	6.8	0.254	1465.0
1040.0	-0.18	-0.23	34.90	28.03	6.5	0.257	1465.7
1090.0	-0.23	-0.28	34.90	28.03	6.0	0.260	1466.3
1140.0	-0.29	-0.35	34.89	28.04	5.5	0.263	1466.8
1190.0	-0.35	-0.40	34.89	28.04	5.4	0.266	1467.4
1240.0	-0.40	-0.46	34.89	28.04	5.1	0.269	1468.0
1290.0	-0.44	-0.50	34.89	28.04	4.7	0.271	1468.7
1340.0	-0.47	-0.54	34.88	28.03	4.9	0.274	1469.4
1390.0	-0.51	-0.58	34.88	28.04	4.4	0.276	1470.1
1440.0	-0.55	-0.62	34.88	28.04	4.2	0.278	1470.7
1490.0	-0.61	-0.67	34.88	28.04	3.8	0.280	1471.3
1540.0	-0.61	-0.68	34.88	28.04	3.9	0.282	1472.2
1590.0	-0.63	-0.71	34.88	28.04	3.4	0.284	1472.9
1640.0	-0.66	-0.74	34.87	28.04	3.4	0.286	1473.6
1690.0	-0.68	-0.76	34.87	28.04	3.3	0.288	1474.4
1740.0	-0.72	-0.80	34.87	28.03	3.1	0.289	1475.1
1790.0	-0.74	-0.82	34.87	28.03	3.0	0.291	1475.8
1840.0	-0.75	-0.84	34.87	28.04	2.7	0.292	1476.6
1890.0	-0.76	-0.85	34.86	28.03	2.9	0.294	1477.4
1940.0	-0.77	-0.87	34.86	28.03	2.5	0.295	1478.2
1990.0	-0.79	-0.89	34.86	28.03	2.4	0.296	1479.0
2040.0	-0.79	-0.89	34.86	28.03	2.4	0.297	1479.9
2090.0	-0.80	-0.90	34.86	28.04	1.9	0.299	1480.7
2140.0	-0.81	-0.92	34.86	28.03	1.8	0.300	1481.5
2190.0	-0.81	-0.92	34.86	28.04	1.6	0.300	1482.4
2240.0	-0.81	-0.93	34.86	28.03	1.5	0.301	1483.2
2290.0	-0.81	-0.93	34.86	28.03	1.5	0.302	1484.1
2340.0	-0.81	-0.93	34.86	28.03	1.5	0.303	1484.9
2390.0	-0.81	-0.94	34.86	28.03	1.4	0.303	1485.8
2440.0	-0.81	-0.94	34.86	28.03	1.3	0.304	1486.7
2490.0	-0.81	-0.95	34.86	28.03	1.2	0.305	1487.5
2540.0	-0.81	-0.95	34.86	28.03	0.9	0.305	1488.4
2590.0	-0.81	-0.95	34.86	28.03	0.8	0.306	1489.3
2640.0	-0.81	-0.95	34.86	28.03	1.0	0.306	1490.2
2669.7	-0.81	-0.95	34.86	28.03	0.9	0.307	1490.7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FRAM 3 14 -1
4- 9-81
T
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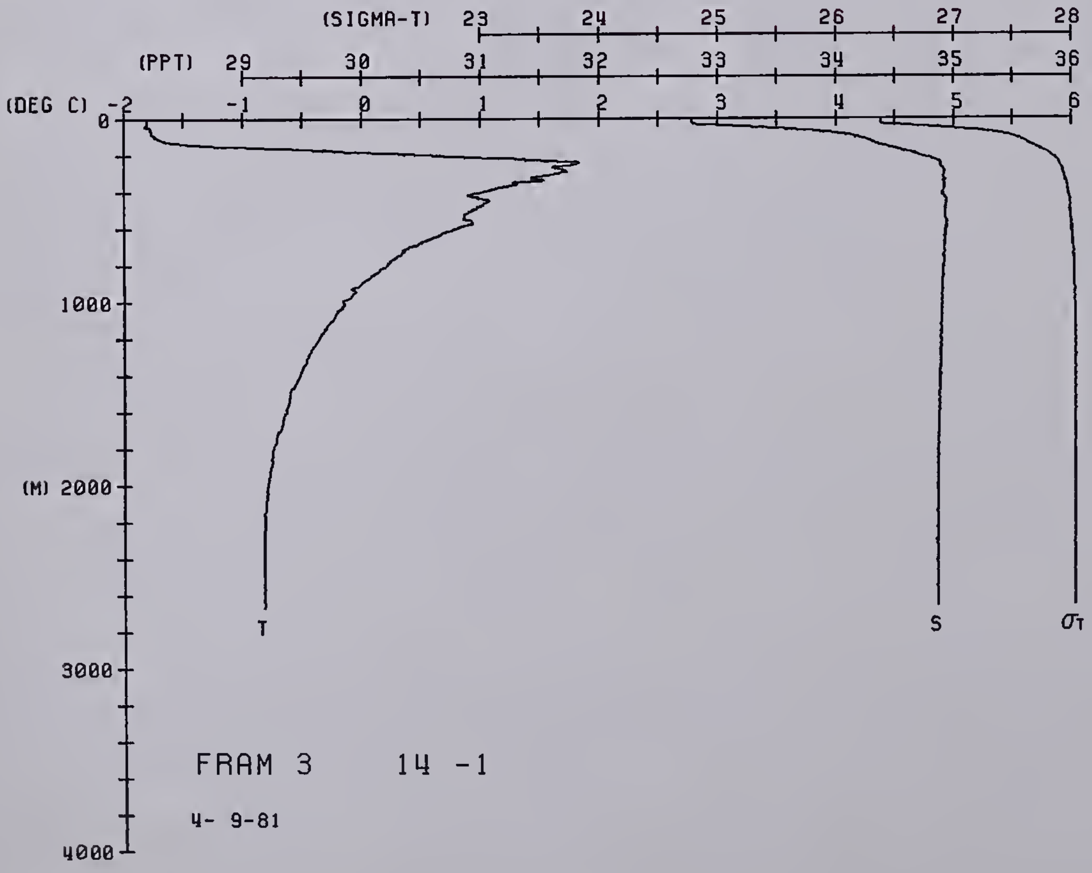
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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S
σT
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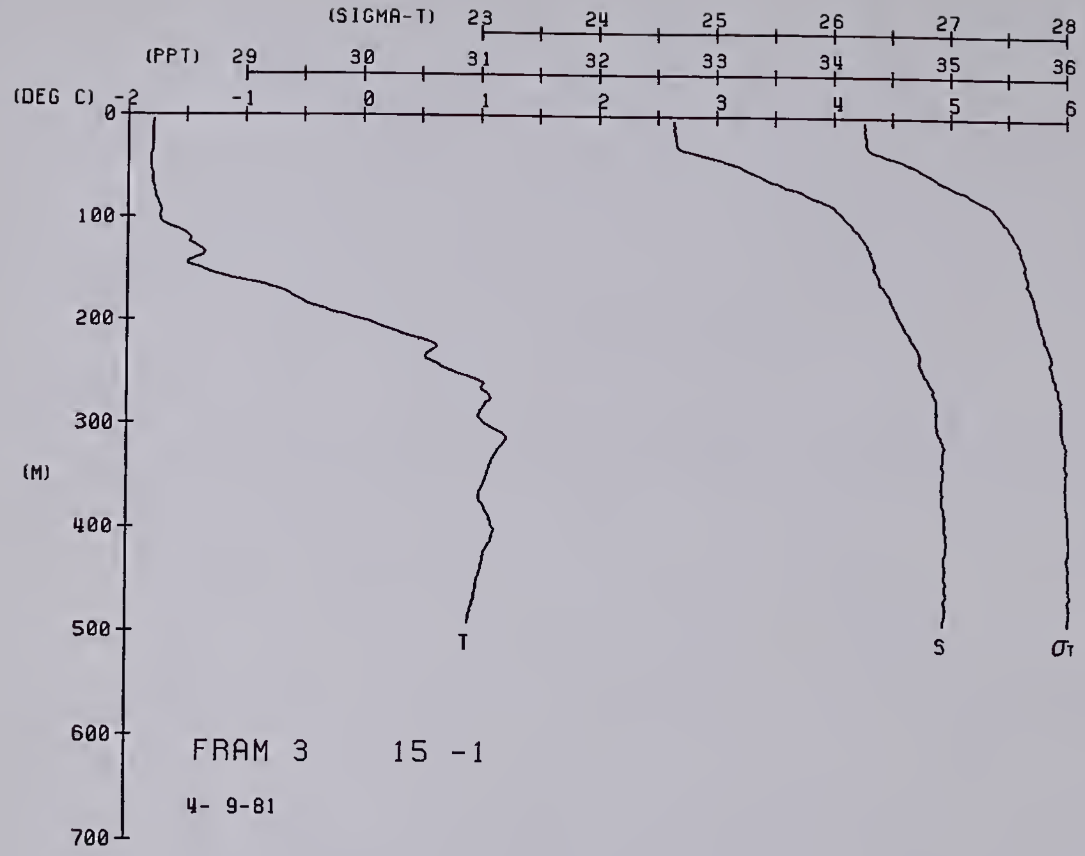
4- 9-81

FRAM 3 STATION 15(1) CTD   9/APR/1981 2123 GMT CODE = 5
LAT = 83.2463N LNG =   9.1092E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.63	26.26	175.4	0.000	1437.7
4.0	-1.77	-1.78	32.63	26.26	175.3	0.007	1437.8
5.0	-1.78	-1.78	32.64	26.26	174.9	0.009	1437.8
10.0	-1.78	-1.79	32.65	26.27	174.3	0.018	1437.8
15.0	-1.79	-1.79	32.65	26.27	174.3	0.027	1437.9
20.0	-1.78	-1.79	32.66	26.28	173.4	0.035	1438.0
25.0	-1.79	-1.79	32.66	26.28	173.1	0.044	1438.1
30.0	-1.79	-1.79	32.67	26.29	172.3	0.053	1438.2
35.0	-1.79	-1.79	32.76	26.36	165.2	0.061	1438.4
40.0	-1.80	-1.80	32.94	26.50	151.6	0.069	1438.7
45.0	-1.80	-1.81	33.10	26.64	138.8	0.077	1439.0
50.0	-1.80	-1.80	33.21	26.73	130.1	0.083	1439.2
55.0	-1.79	-1.80	33.31	26.80	122.9	0.090	1439.5
60.0	-1.79	-1.79	33.40	26.88	115.6	0.096	1439.7
65.0	-1.78	-1.79	33.50	26.96	107.7	0.102	1440.0
70.0	-1.78	-1.78	33.63	27.06	98.3	0.107	1440.3
75.0	-1.77	-1.77	33.75	27.17	88.6	0.111	1440.5
80.0	-1.76	-1.76	33.83	27.23	82.2	0.116	1440.8
85.0	-1.74	-1.74	33.95	27.33	73.1	0.120	1441.2
90.0	-1.72	-1.72	34.02	27.38	67.9	0.123	1441.4
95.0	-1.72	-1.72	34.06	27.42	64.6	0.127	1441.6
100.0	-1.72	-1.72	34.10	27.45	61.5	0.130	1441.7
110.0	-1.61	-1.61	34.19	27.51	55.4	0.136	1442.5
120.0	-1.47	-1.47	34.26	27.57	50.4	0.141	1443.5
130.0	-1.37	-1.38	34.30	27.60	47.1	0.146	1444.1
140.0	-1.42	-1.42	34.34	27.63	44.3	0.151	1444.1
150.0	-1.36	-1.36	34.35	27.64	43.2	0.155	1444.6
160.0	-1.06	-1.06	34.39	27.66	41.8	0.159	1446.2
170.0	-0.70	-0.70	34.45	27.69	38.7	0.163	1448.1
180.0	-0.53	-0.54	34.49	27.72	36.3	0.167	1449.1
190.0	-0.29	-0.30	34.53	27.75	33.9	0.171	1450.5
200.0	0.04	0.03	34.59	27.77	31.8	0.174	1452.2
210.0	0.27	0.27	34.63	27.80	29.4	0.177	1453.5
220.0	0.56	0.55	34.69	27.82	27.2	0.180	1455.1
230.0	0.58	0.57	34.73	27.86	24.0	0.183	1455.4
240.0	0.60	0.59	34.73	27.85	24.1	0.185	1455.6
250.0	0.80	0.78	34.77	27.88	22.3	0.187	1456.7
260.0	1.02	1.01	34.82	27.90	19.9	0.190	1458.0
270.0	1.06	1.04	34.86	27.93	17.6	0.191	1458.4
280.0	1.04	1.03	34.87	27.94	16.3	0.193	1458.5
290.0	0.98	0.97	34.87	27.94	16.2	0.195	1458.4
300.0	1.05	1.03	34.88	27.94	16.2	0.196	1458.8
310.0	1.21	1.19	34.91	27.96	14.6	0.198	1459.8
320.0	1.18	1.16	34.94	27.98	12.6	0.199	1459.8
330.0	1.12	1.10	34.92	27.98	13.1	0.201	1459.7
340.0	1.08	1.06	34.93	27.98	12.7	0.202	1459.7
350.0	1.04	1.03	34.93	27.98	12.6	0.203	1459.7
360.0	1.01	1.00	34.92	27.98	13.2	0.205	1459.7
370.0	0.99	0.97	34.92	27.98	13.0	0.206	1459.8
380.0	1.03	1.01	34.93	27.99	12.2	0.207	1460.2
390.0	1.08	1.06	34.94	27.99	11.8	0.208	1460.5
400.0	1.11	1.09	34.94	27.99	11.8	0.210	1460.9
410.0	1.09	1.07	34.95	28.00	11.0	0.211	1461.0
420.0	1.05	1.02	34.95	28.00	11.2	0.212	1460.9
430.0	1.02	1.00	34.93	27.99	12.2	0.213	1461.0
440.0	1.00	0.98	34.94	28.00	11.3	0.214	1461.0
450.0	0.97	0.95	34.95	28.00	10.7	0.215	1461.1
460.0	0.96	0.94	34.95	28.01	10.7	0.216	1461.2
470.0	0.94	0.92	34.93	28.00	11.5	0.218	1461.3
480.0	0.92	0.89	34.94	28.00	11.0	0.219	1461.3
490.0	0.89	0.87	34.93	27.99	11.7	0.220	1461.4
492.1	0.89	0.87	34.92	27.99	11.9	0.220	1461.4

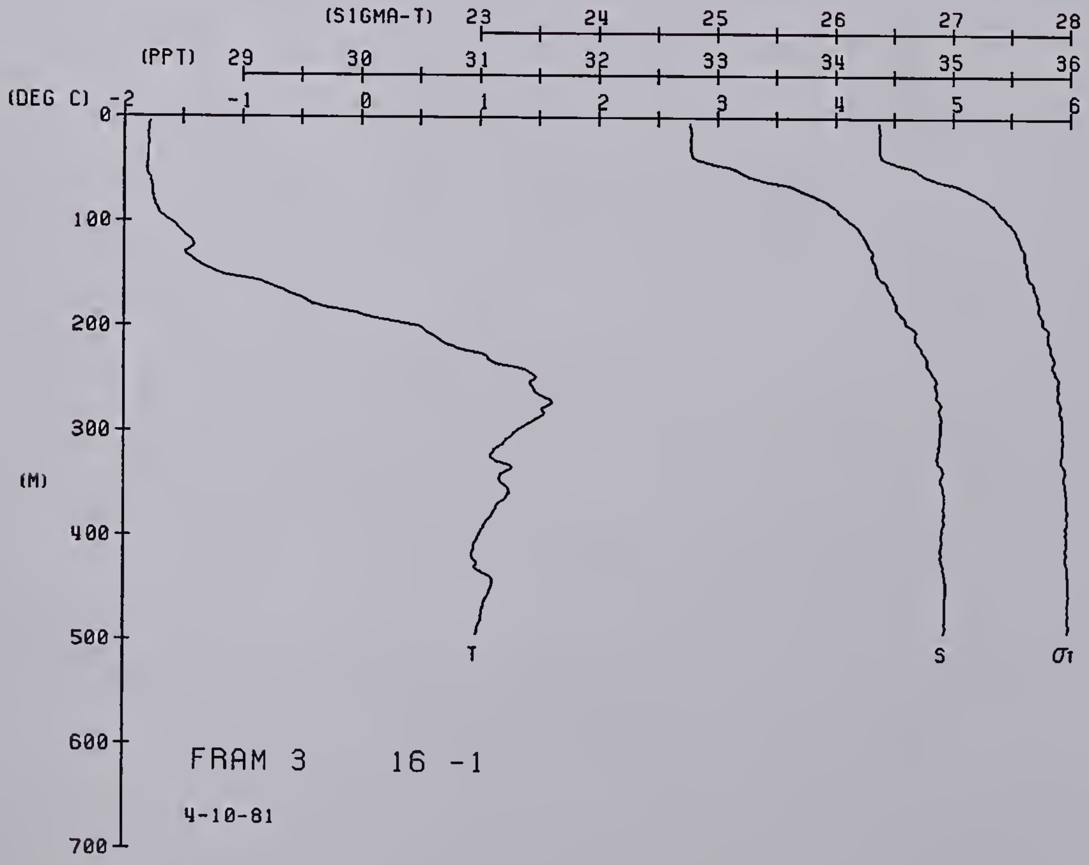
FRAM 3 STATION 16(1) CTD 10/APR/1981 1020 GMT CODE = 5
LAT = 83.2750N LNG =   8.6357E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.77	26.37	164.7	0.000	1437.9
4.0	-1.77	-1.78	32.77	26.37	164.6	0.007	1438.0
5.0	-1.78	-1.78	32.77	26.37	164.4	0.008	1438.0
10.0	-1.79	-1.79	32.78	26.37	164.1	0.017	1438.0
15.0	-1.79	-1.80	32.79	26.38	163.4	0.025	1438.1
20.0	-1.79	-1.80	32.78	26.37	164.0	0.033	1438.1
25.0	-1.79	-1.79	32.78	26.37	164.1	0.042	1438.2
30.0	-1.79	-1.80	32.78	26.38	163.7	0.050	1438.3
35.0	-1.79	-1.80	32.79	26.38	163.0	0.058	1438.4
40.0	-1.79	-1.80	32.83	26.42	159.6	0.066	1438.6
45.0	-1.80	-1.80	33.00	26.56	146.4	0.074	1438.8
50.0	-1.80	-1.81	33.16	26.69	134.0	0.081	1439.1
55.0	-1.79	-1.79	33.24	26.75	128.0	0.088	1439.4
60.0	-1.77	-1.77	33.38	26.87	116.9	0.094	1439.8
65.0	-1.76	-1.77	33.61	27.05	99.9	0.099	1440.2
70.0	-1.76	-1.76	33.72	27.14	91.0	0.104	1440.5
75.0	-1.75	-1.76	33.82	27.22	83.1	0.108	1440.7
80.0	-1.74	-1.74	33.92	27.30	75.6	0.113	1441.0
85.0	-1.73	-1.73	33.99	27.36	70.3	0.116	1441.3
90.0	-1.71	-1.71	34.04	27.40	66.7	0.120	1441.5
95.0	-1.67	-1.67	34.09	27.44	62.9	0.123	1441.8
100.0	-1.60	-1.61	34.15	27.48	58.7	0.126	1442.3
110.0	-1.50	-1.51	34.22	27.54	52.9	0.132	1443.1
120.0	-1.41	-1.42	34.27	27.58	49.4	0.137	1443.7
130.0	-1.48	-1.48	34.32	27.62	45.4	0.142	1443.6
140.0	-1.37	-1.38	34.35	27.64	43.8	0.146	1444.3
150.0	-1.17	-1.18	34.37	27.65	43.0	0.151	1445.5
160.0	-0.77	-0.78	34.44	27.69	38.5	0.155	1447.6
170.0	-0.55	-0.56	34.49	27.72	36.2	0.158	1448.9
180.0	-0.35	-0.36	34.53	27.74	34.3	0.162	1450.0
190.0	0.07	0.06	34.58	27.77	32.1	0.165	1452.2
200.0	0.51	0.50	34.66	27.80	29.1	0.168	1454.5
210.0	0.64	0.63	34.68	27.81	27.9	0.171	1455.3
220.0	0.82	0.81	34.73	27.84	25.2	0.174	1456.3
230.0	1.08	1.06	34.79	27.87	23.0	0.176	1457.7
240.0	1.38	1.37	34.81	27.86	23.8	0.179	1459.2
250.0	1.46	1.44	34.87	27.91	19.8	0.181	1459.8
260.0	1.46	1.45	34.87	27.91	19.7	0.183	1460.0
270.0	1.61	1.59	34.89	27.91	19.5	0.185	1460.8
280.0	1.54	1.52	34.89	27.92	18.8	0.187	1460.7
290.0	1.44	1.43	34.91	27.94	16.6	0.189	1460.5
300.0	1.31	1.29	34.90	27.95	16.3	0.190	1460.0
310.0	1.21	1.19	34.90	27.95	15.9	0.192	1459.8
320.0	1.11	1.09	34.88	27.94	16.5	0.194	1459.4
330.0	1.23	1.21	34.88	27.93	17.3	0.195	1460.1
340.0	1.20	1.18	34.92	27.97	14.3	0.197	1460.2
350.0	1.21	1.19	34.92	27.96	14.6	0.198	1460.5
360.0	1.24	1.22	34.93	27.98	13.4	0.200	1460.8
370.0	1.15	1.13	34.93	27.98	13.1	0.201	1460.5
380.0	1.10	1.08	34.93	27.98	12.7	0.203	1460.5
390.0	1.04	1.02	34.92	27.98	12.8	0.204	1460.4
400.0	0.99	0.97	34.91	27.98	13.3	0.205	1460.3
410.0	0.95	0.94	34.91	27.98	13.2	0.206	1460.3
420.0	0.95	0.93	34.91	27.97	13.6	0.208	1460.4
430.0	0.97	0.95	34.92	27.99	12.5	0.209	1460.7
440.0	1.11	1.09	34.94	27.99	12.0	0.210	1461.5
450.0	1.10	1.08	34.95	28.00	11.6	0.212	1461.7
460.0	1.06	1.03	34.94	27.99	12.0	0.213	1461.6
470.0	1.03	1.01	34.94	28.00	11.7	0.214	1461.7
480.0	1.01	0.99	34.94	28.00	11.8	0.215	1461.8
490.0	0.99	0.96	34.94	28.00	11.1	0.216	1461.8
494.1	0.98	0.95	34.94	28.00	11.5	0.217	1461.8



FRAM 3 15 -1

4- 9-81



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4-10-81

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                                     AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND          DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.80  -1.80  32.80  26.39  162.5  0.000 1437.8          710.0   0.52   0.49  34.93  28.02    9.4  0.229 1463.4
   4.0  -1.80  -1.81  32.80  26.39  162.5  0.007 1437.9          740.0   0.41   0.38  34.92  28.02    8.8  0.232 1463.4
   5.0  -1.80  -1.81  32.80  26.39  162.6  0.008 1437.9          790.0   0.27   0.24  34.92  28.02    8.2  0.237 1463.6
  10.0  -1.80  -1.81  32.80  26.39  162.5  0.016 1438.0          840.0   0.17   0.13  34.92  28.03    7.4  0.241 1463.9
  15.0  -1.80  -1.81  32.80  26.39  162.2  0.025 1438.0          890.0   0.04  -0.01  34.91  28.03    7.3  0.244 1464.2
  20.0  -1.80  -1.81  32.80  26.39  162.1  0.033 1438.1          940.0  -0.05  -0.09  34.90  28.03    7.0  0.248 1464.6
  25.0  -1.80  -1.81  32.80  26.40  161.9  0.041 1438.2          990.0  -0.11  -0.15  34.90  28.03    6.4  0.251 1465.2
  30.0  -1.80  -1.81  32.81  26.40  161.6  0.049 1438.3         1040.0  -0.15  -0.20  34.90  28.04    6.1  0.254 1465.8
  35.0  -1.80  -1.81  32.89  26.46  155.5  0.057 1438.5         1090.0  -0.22  -0.27  34.90  28.04    5.7  0.257 1466.3
  40.0  -1.80  -1.80  33.05  26.59  143.0  0.065 1438.8         1140.0  -0.28  -0.33  34.90  28.04    5.5  0.260 1466.9
  45.0  -1.78  -1.78  33.22  26.74  129.4  0.072 1439.2         1190.0  -0.34  -0.39  34.90  28.04    5.1  0.263 1467.5
  50.0  -1.77  -1.78  33.45  26.92  112.3  0.078 1439.7         1240.0  -0.39  -0.44  34.89  28.04    4.8  0.265 1468.1
  55.0  -1.77  -1.77  33.63  27.07   98.2  0.083 1440.0         1290.0  -0.43  -0.48  34.89  28.04    4.5  0.268 1468.8
  60.0  -1.77  -1.77  33.76  27.17   87.9  0.088 1440.3         1340.0  -0.47  -0.53  34.89  28.04    4.3  0.270 1469.4
  65.0  -1.78  -1.78  33.85  27.24   81.3  0.092 1440.5         1390.0  -0.50  -0.56  34.89  28.04    4.2  0.272 1470.1
  70.0  -1.77  -1.78  33.92  27.30   75.9  0.096 1440.7         1440.0  -0.54  -0.60  34.89  28.04    3.9  0.274 1470.8
  75.0  -1.77  -1.77  33.98  27.35   71.0  0.100 1440.9         1462.9  -0.56  -0.62  34.88  28.04    3.8  0.275 1471.1
  80.0  -1.76  -1.76  34.04  27.40   66.4  0.103 1441.1
  85.0  -1.75  -1.75  34.08  27.43   63.1  0.106 1441.3
  90.0  -1.73  -1.73  34.12  27.47   60.0  0.110 1441.5
  95.0  -1.71  -1.71  34.16  27.49   57.4  0.113 1441.7
 100.0  -1.67  -1.67  34.20  27.52   54.6  0.115 1442.1
 110.0  -1.74  -1.75  34.24  27.56   51.0  0.121 1441.9
 120.0  -1.45  -1.45  34.29  27.59   47.8  0.126 1443.6
 130.0  -1.44  -1.45  34.33  27.63   44.6  0.130 1443.8
 140.0  -1.21  -1.21  34.40  27.67   40.3  0.135 1445.2
 150.0  -0.91  -0.91  34.44  27.69   38.5  0.139 1446.8
 160.0  -0.64  -0.64  34.49  27.72   35.9  0.142 1448.3
 170.0  -0.20  -0.20  34.56  27.76   32.5  0.146 1450.6
 180.0   0.26   0.25  34.64  27.80   28.9  0.149 1453.0
 190.0   0.74   0.73  34.71  27.83   26.2  0.152 1455.4
 200.0   1.22   1.21  34.77  27.85   25.1  0.154 1457.8
 210.0   1.61   1.60  34.83  27.87   23.5  0.157 1459.8
 220.0   1.88   1.87  34.87  27.88   22.5  0.159 1461.2
 230.0   1.93   1.92  34.89  27.89   21.4  0.161 1461.6
 240.0   2.02   2.01  34.92  27.90   20.5  0.164 1462.2
 250.0   1.98   1.97  34.91  27.90   20.4  0.166 1462.2
 260.0   2.02   2.01  34.92  27.91   20.0  0.168 1462.6
 270.0   2.02   2.00  34.93  27.91   19.7  0.170 1462.7
 280.0   1.92   1.90  34.92  27.92   19.4  0.172 1462.4
 290.0   1.91   1.89  34.93  27.92   19.0  0.174 1462.6
 300.0   1.89   1.88  34.93  27.93   18.4  0.175 1462.7
 310.0   1.84   1.83  34.93  27.93   18.2  0.177 1462.6
 320.0   1.79   1.77  34.93  27.93   17.8  0.179 1462.5
 330.0   1.72   1.70  34.93  27.94   17.4  0.181 1462.4
 340.0   1.64   1.62  34.93  27.94   17.0  0.183 1462.2
 350.0   1.63   1.62  34.93  27.94   16.7  0.184 1462.4
 360.0   1.58   1.56  34.93  27.95   16.5  0.186 1462.3
 370.0   1.56   1.54  34.93  27.95   15.9  0.188 1462.4
 380.0   1.48   1.46  34.93  27.96   15.3  0.189 1462.2
 390.0   1.51   1.49  34.94  27.96   15.2  0.191 1462.5
 400.0   1.43   1.41  34.94  27.96   14.9  0.192 1462.3
 410.0   1.31   1.29  34.92  27.96   15.0  0.194 1461.9
 420.0   1.26   1.24  34.92  27.97   14.6  0.195 1461.8
 430.0   1.22   1.20  34.93  27.97   14.1  0.197 1461.8
 440.0   1.16   1.14  34.92  27.97   13.8  0.198 1461.7
 450.0   1.11   1.08  34.92  27.97   13.8  0.200 1461.6
 460.0   1.06   1.04  34.92  27.98   13.4  0.201 1461.6
 470.0   1.06   1.04  34.93  27.98   12.9  0.202 1461.8
 480.0   1.05   1.03  34.93  27.99   12.5  0.204 1461.9
 490.0   1.03   1.00  34.93  27.99   12.7  0.205 1462.0
 500.0   1.07   1.05  34.94  27.99   12.3  0.206 1462.3
 530.0   0.97   0.94  34.93  27.99   12.0  0.210 1462.4
 560.0   0.92   0.89  34.93  27.99   12.0  0.213 1462.6
 590.0   0.88   0.85  34.94  28.01   10.8  0.217 1463.0
 620.0   0.82   0.79  34.94  28.01   10.7  0.220 1463.2
 650.0   0.70   0.67  34.93  28.01   10.4  0.223 1463.2
 680.0   0.62   0.59  34.93  28.01   10.0  0.227 1463.3
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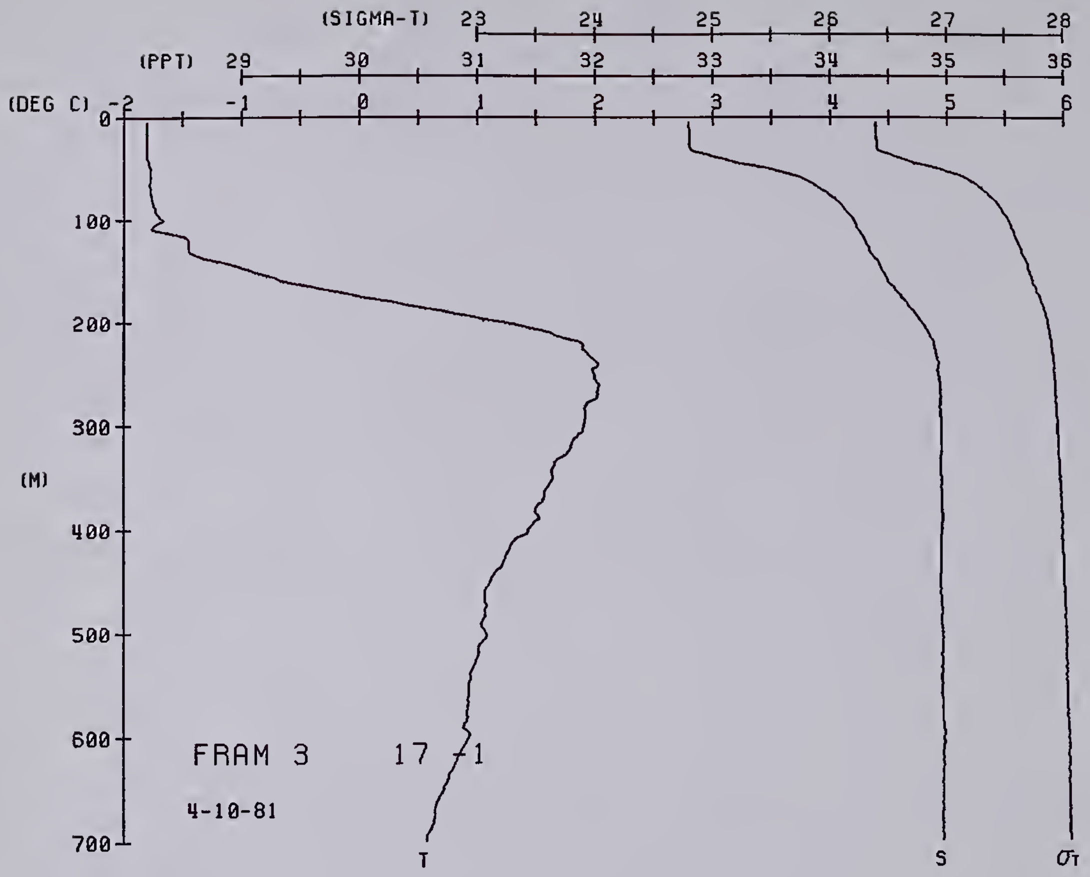
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4-10-81
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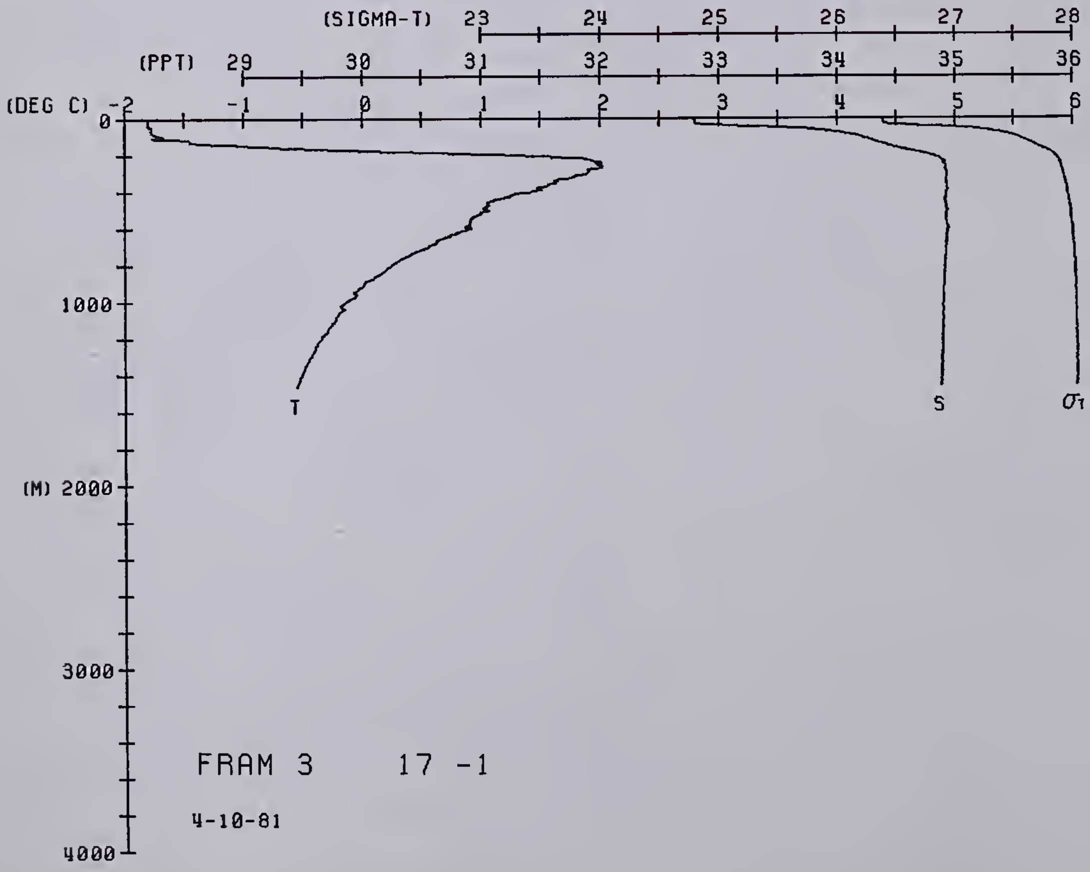
σT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AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.78   -1.78   32.76   26.36   165.6   0.000   1437.9
   4.0  -1.78   -1.78   32.76   26.36   165.6   0.007   1437.9
   5.0  -1.78   -1.79   32.76   26.36   165.2   0.008   1437.9
  10.0  -1.79   -1.80   32.77   26.37   164.6   0.017   1438.0
  15.0  -1.79   -1.80   32.78   26.37   164.1   0.025   1438.1
  20.0  -1.79   -1.80   32.78   26.38   163.6   0.033   1438.2
  25.0  -1.79   -1.80   32.80   26.39   162.3   0.042   1438.3
  30.0  -1.79   -1.80   32.82   26.41   160.8   0.050   1438.4
  35.0  -1.79   -1.80   32.85   26.43   158.4   0.058   1438.5
  40.0  -1.78   -1.78   33.08   26.62   140.4   0.065   1439.0
  45.0  -1.79   -1.79   33.45   26.92   111.8   0.072   1439.5
  50.0  -1.82   -1.82   33.63   27.07    98.1   0.077   1439.7
  55.0  -1.82   -1.82   33.72   27.14    91.1   0.082   1440.0
  60.0  -1.78   -1.78   33.80   27.20    85.0   0.086   1440.3
  65.0  -1.78   -1.78   33.91   27.29    76.6   0.090   1440.5
  70.0  -1.81   -1.81   33.96   27.34    72.4   0.094   1440.6
  75.0  -1.83   -1.83   34.00   27.37    69.5   0.098   1440.6
  80.0  -1.84   -1.84   34.03   27.39    67.0   0.101   1440.7
  85.0  -1.82   -1.82   34.04   27.40    66.1   0.104   1440.9
  90.0  -1.77   -1.77   34.07   27.43    63.7   0.108   1441.3
  95.0  -1.69   -1.70   34.10   27.44    62.2   0.111   1441.7
 100.0  -1.62   -1.63   34.14   27.47    59.3   0.114   1442.2
 110.0  -1.49   -1.49   34.24   27.55    51.7   0.120   1443.2
 120.0  -1.42   -1.43   34.29   27.60    47.8   0.125   1443.7
 130.0  -1.20   -1.20   34.35   27.63    44.4   0.129   1445.0
 140.0  -0.99   -0.99   34.39   27.65    42.2   0.134   1446.2
 150.0  -0.63   -0.63   34.43   27.68    40.1   0.138   1448.1
 160.0  -0.30   -0.30   34.50   27.72    36.3   0.142   1449.9
 170.0   0.02    0.01   34.54   27.74    34.9   0.145   1451.6
 180.0   0.51    0.50   34.62   27.77    32.3   0.149   1454.1
 190.0   1.04    1.03   34.69   27.80    29.8   0.152   1456.7
 200.0   1.38    1.37   34.74   27.81    28.8   0.155   1458.5
 210.0   1.77    1.76   34.81   27.84    26.2   0.158   1460.5
 220.0   1.98    1.97   34.86   27.86    24.2   0.160   1461.6
 230.0   2.02    2.01   34.88   27.87    23.3   0.163   1462.0
 240.0   2.08    2.07   34.89   27.88    22.8   0.165   1462.5
 250.0   2.09    2.08   34.91   27.89    21.7   0.167   1462.7
 260.0   2.10    2.08   34.91   27.89    21.7   0.169   1462.9
 270.0   2.03    2.01   34.91   27.90    21.3   0.172   1462.7
 280.0   2.03    2.01   34.91   27.90    21.3   0.174   1462.9
 290.0   2.05    2.03   34.93   27.91    20.3   0.176   1463.2
 300.0   1.99    1.97   34.92   27.91    20.3   0.178   1463.1
 310.0   1.90    1.88   34.92   27.92    19.5   0.180   1462.8
 320.0   1.86    1.84   34.93   27.92    18.8   0.182   1462.8
 330.0   1.81    1.79   34.92   27.92    18.8   0.184   1462.8
 340.0   1.80    1.79   34.92   27.93    18.5   0.186   1462.9
 350.0   1.76    1.75   34.92   27.93    18.2   0.187   1462.9
 360.0   1.72    1.70   34.92   27.93    18.1   0.189   1462.9
 370.0   1.70    1.68   34.93   27.94    17.4   0.191   1463.0
 380.0   1.68    1.66   34.93   27.94    17.4   0.193   1463.1
 390.0   1.62    1.60   34.92   27.94    17.5   0.195   1462.9
 400.0   1.60    1.58   34.94   27.95    16.3   0.196   1463.0
 410.0   1.56    1.53   34.94   27.95    16.0   0.198   1463.0
 420.0   1.52    1.50   34.92   27.95    16.6   0.200   1463.0
 430.0   1.45    1.43   34.93   27.95    16.0   0.201   1462.9
 440.0   1.41    1.38   34.93   27.96    15.2   0.203   1462.8
 450.0   1.35    1.32   34.92   27.96    15.3   0.204   1462.7
 460.0   1.32    1.30   34.93   27.96    15.0   0.206   1462.8
 470.0   1.27    1.25   34.92   27.97    14.8   0.207   1462.7
 480.0   1.24    1.21   34.92   27.96    14.9   0.209   1462.7
 490.0   1.16    1.14   34.92   27.97    14.3   0.210   1462.6
 498.0   1.13    1.10   34.92   27.97    14.3   0.212   1462.5
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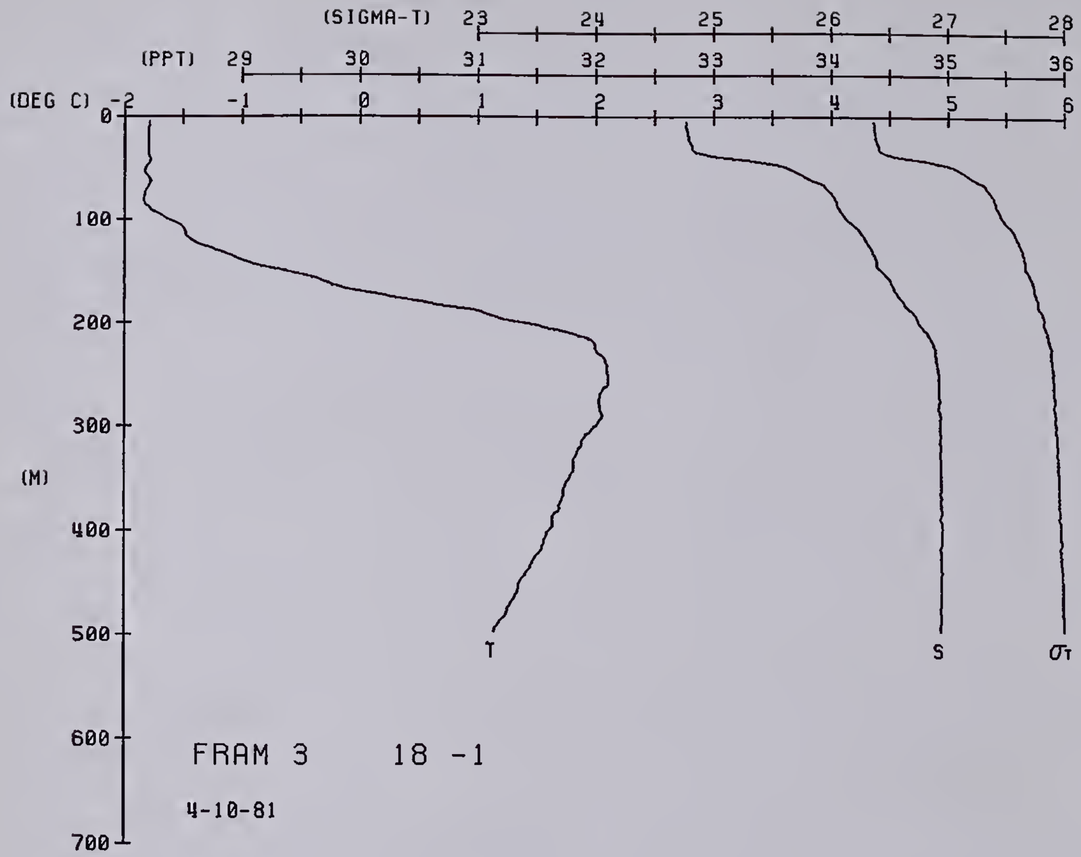

FRAM 3   18 -1

4-10-81

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  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND           DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.78   -1.78   32.81   26.40   161.7   0.000  1437.9           710.0    0.83    0.79   34.92   27.99    12.0   0.222  1464.8
    4.0   -1.78   -1.78   32.81   26.40   161.7   0.006  1438.0           740.0    0.70    0.67   34.92   28.00    11.1   0.225  1464.7
    5.0   -1.79   -1.79   32.82   26.41   161.1   0.008  1438.0           790.0    0.53    0.50   34.92   28.01    10.3   0.230  1464.8
   10.0   -1.80   -1.81   32.82   26.41   160.6   0.016  1438.0           840.0    0.38    0.34   34.91   28.01     9.5   0.236  1464.9
   15.0   -1.80   -1.81   32.84   26.42   159.6   0.024  1438.1           890.0    0.23    0.19   34.91   28.02     8.8   0.240  1465.0
   20.0   -1.81   -1.81   32.89   26.47   155.1   0.032  1438.3           940.0    0.10    0.06   34.90   28.02     8.0   0.244  1465.3
   25.0   -1.81   -1.81   32.95   26.51   151.0   0.040  1438.4           990.0   -0.01   -0.06   34.90   28.02     7.7   0.248  1465.6
   30.0   -1.80   -1.81   32.96   26.53   149.6   0.048  1438.5          1040.0   -0.08   -0.13   34.90   28.03     7.0   0.252  1466.1
   35.0   -1.80   -1.80   33.08   26.62   140.5   0.055  1438.8          1090.0   -0.17   -0.22   34.90   28.03     6.5   0.256  1466.6
   40.0   -1.78   -1.79   33.36   26.85   119.0   0.062  1439.3          1140.0   -0.23   -0.28   34.89   28.03     6.2   0.259  1467.1
   45.0   -1.78   -1.78   33.67   27.10    94.8   0.067  1439.9          1190.0   -0.29   -0.34   34.89   28.04     5.5   0.262  1467.7
   50.0   -1.77   -1.78   33.82   27.22    83.5   0.071  1440.2          1240.0   -0.32   -0.38   34.89   28.03     5.9   0.265  1468.4
   55.0   -1.76   -1.77   33.89   27.28    78.1   0.076  1440.4          1290.0   -0.38   -0.44   34.89   28.04     5.2   0.268  1469.0
   60.0   -1.75   -1.75   33.97   27.34    72.2   0.079  1440.7          1340.0   -0.44   -0.51   34.88   28.03     5.0   0.270  1469.5
   65.0   -1.73   -1.73   34.04   27.39    66.9   0.083  1441.0          1390.0   -0.49   -0.55   34.88   28.04     4.6   0.273  1470.2
   70.0   -1.72   -1.72   34.08   27.43    63.3   0.086  1441.2          1440.0   -0.53   -0.60   34.88   28.04     4.2   0.275  1470.8
   75.0   -1.70   -1.70   34.11   27.46    61.0   0.089  1441.4          1462.9   -0.55   -0.61   34.88   28.04     4.1   0.276  1471.2
   80.0   -1.63   -1.63   34.16   27.49    57.9   0.092  1441.9
   85.0   -1.56   -1.56   34.19   27.52    55.1   0.095  1442.4
   90.0   -1.52   -1.52   34.24   27.55    51.9   0.098  1442.7
   95.0   -1.48   -1.48   34.28   27.58    49.1   0.100  1443.0
  100.0   -1.48   -1.48   34.30   27.61    46.8   0.103  1443.1
  110.0   -1.38   -1.39   34.35   27.64    43.6   0.107  1443.8
  120.0   -1.03   -1.04   34.42   27.68    39.8   0.112  1445.7
  130.0   -0.45   -0.46   34.51   27.73    35.1   0.115  1448.7
  140.0    0.05    0.05   34.59   27.77    31.5   0.119  1451.3
  150.0    0.73    0.72   34.70   27.82    27.4   0.122  1454.7
  160.0    1.32    1.31   34.78   27.85    24.8   0.124  1457.6
  170.0    1.92    1.91   34.86   27.87    23.3   0.127  1460.5
  180.0    2.09    2.08   34.88   27.87    23.4   0.129  1461.5
  190.0    2.26    2.25   34.91   27.88    22.4   0.132  1462.4
  200.0    2.39    2.37   34.93   27.88    22.3   0.134  1463.2
  210.0    2.38    2.36   34.93   27.89    22.1   0.136  1463.3
  220.0    2.38    2.37   34.94   27.89    21.4   0.138  1463.5
  230.0    2.34    2.32   34.94   27.90    21.2   0.140  1463.5
  240.0    2.33    2.31   34.94   27.90    20.9   0.143  1463.6
  250.0    2.37    2.35   34.95   27.91    20.6   0.145  1463.9
  260.0    2.33    2.31   34.95   27.90    20.6   0.147  1463.9
  270.0    2.27    2.25   34.95   27.91    20.0   0.149  1463.8
  280.0    2.21    2.20   34.95   27.91    20.0   0.151  1463.8
  290.0    2.21    2.20   34.95   27.91    19.8   0.153  1463.9
  300.0    2.18    2.16   34.95   27.92    19.6   0.155  1463.9
  310.0    2.12    2.10   34.95   27.92    19.1   0.157  1463.8
  320.0    2.12    2.10   34.95   27.92    19.1   0.159  1464.0
  330.0    2.13    2.12   34.95   27.92    19.0   0.161  1464.3
  340.0    2.09    2.07   34.95   27.92    19.0   0.163  1464.2
  350.0    2.02    2.00   34.95   27.93    18.7   0.164  1464.1
  360.0    1.98    1.96   34.94   27.93    18.8   0.166  1464.1
  370.0    1.96    1.93   34.95   27.93    18.2   0.168  1464.1
  380.0    1.95    1.92   34.95   27.93    18.1   0.170  1464.2
  390.0    1.93    1.91   34.95   27.94    18.0   0.172  1464.3
  400.0    1.91    1.89   34.95   27.94    18.1   0.174  1464.4
  410.0    1.89    1.87   34.95   27.94    17.9   0.176  1464.5
  420.0    1.90    1.88   34.95   27.94    18.0   0.177  1464.7
  430.0    1.90    1.88   34.95   27.94    17.6   0.179  1464.9
  440.0    1.91    1.89   34.96   27.94    17.5   0.181  1465.1
  450.0    1.87    1.85   34.95   27.94    17.6   0.183  1465.1
  460.0    1.78    1.76   34.94   27.94    17.4   0.184  1464.9
  470.0    1.73    1.70   34.94   27.94    17.4   0.186  1464.8
  480.0    1.64    1.62   34.94   27.95    17.0   0.188  1464.6
  490.0    1.60    1.57   34.93   27.95    17.0   0.190  1464.5
  500.0    1.54    1.51   34.93   27.95    16.8   0.191  1464.4
  530.0    1.46    1.43   34.93   27.96    15.9   0.196  1464.6
  560.0    1.21    1.18   34.92   27.97    15.0   0.201  1463.9
  590.0    1.08    1.04   34.91   27.97    14.5   0.206  1463.8
  620.0    1.04    1.01   34.92   27.98    13.7   0.210  1464.2
  650.0    0.95    0.92   34.92   27.98    13.2   0.214  1464.3
  680.0    0.92    0.89   34.93   27.99    12.3   0.218  1464.7
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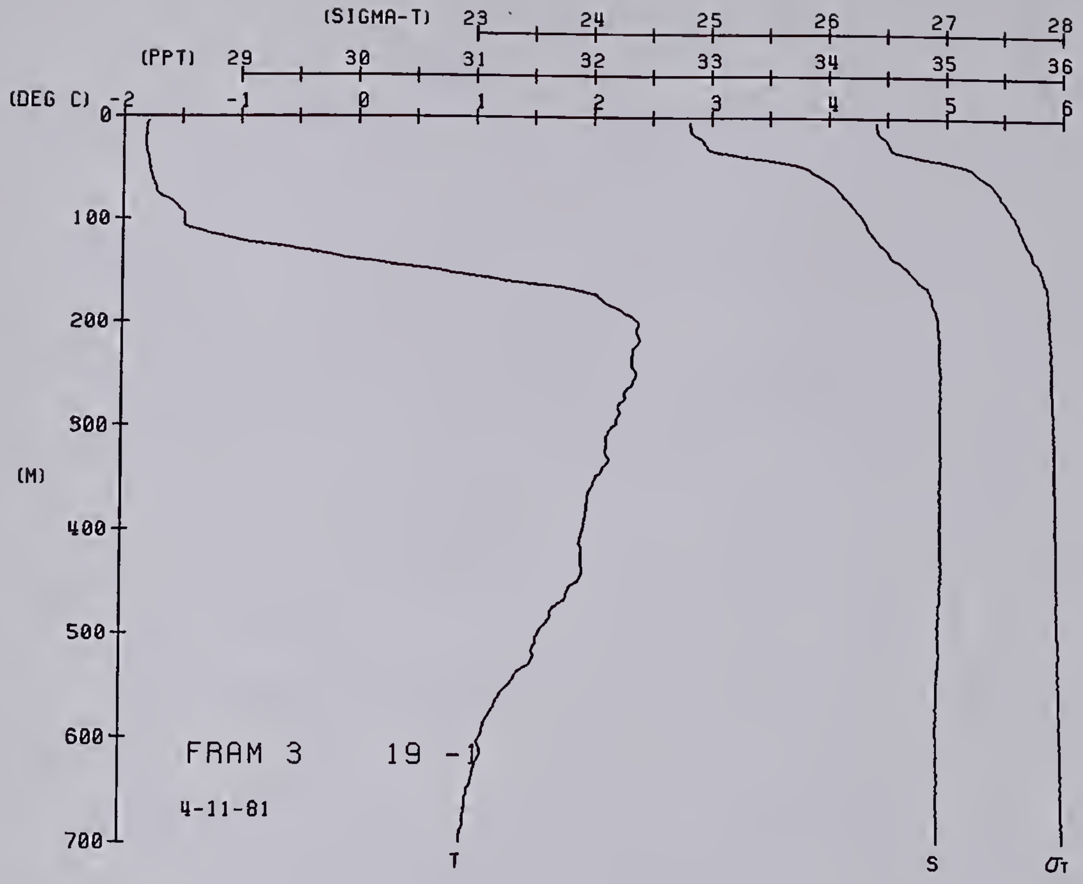
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4-11-81
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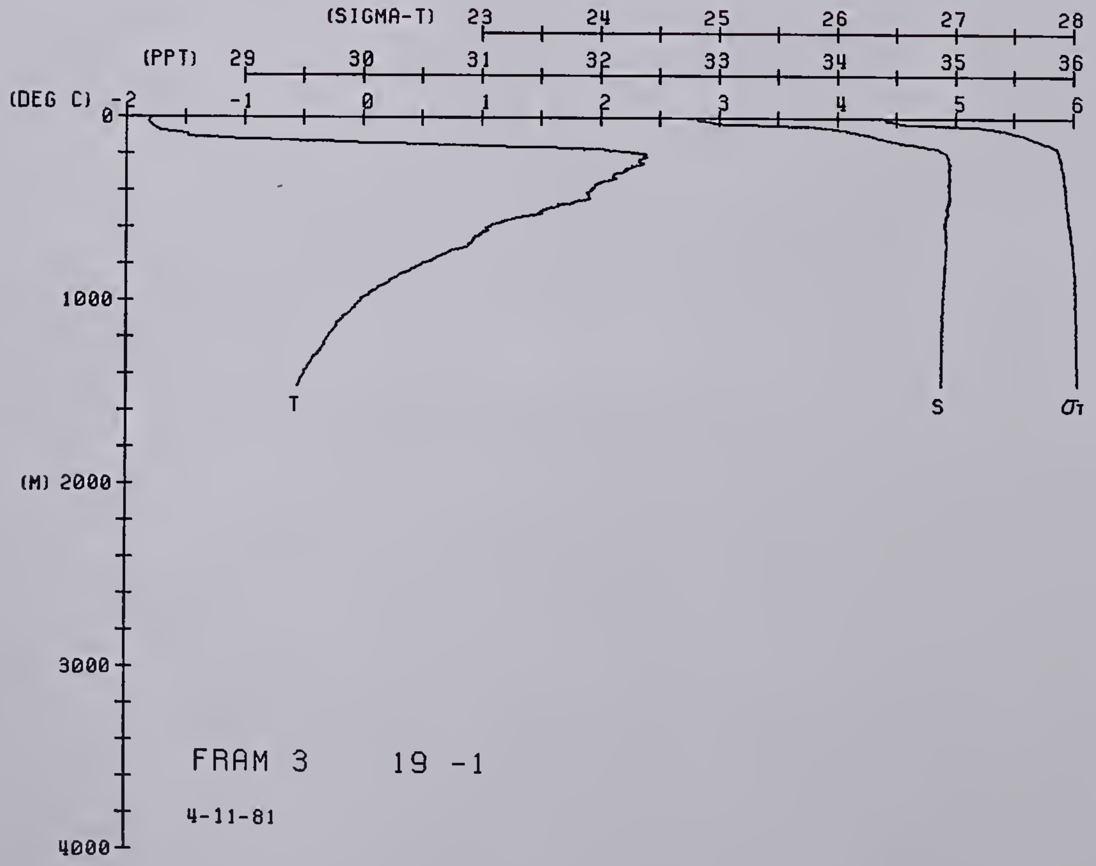
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σ_T
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DEPTH    TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.80  -1.80  32.80  26.39  162.4  0.000  1437.8
   4.0  -1.80  -1.81  32.80  26.39  162.4  0.007  1437.9
   5.0  -1.80  -1.81  32.80  26.39  162.4  0.008  1437.9
  10.0  -1.81  -1.81  32.80  26.39  162.2  0.016  1437.9
  15.0  -1.80  -1.81  32.81  26.40  161.7  0.025  1438.1
  20.0  -1.80  -1.81  32.82  26.41  160.8  0.033  1438.2
  25.0  -1.80  -1.81  32.94  26.50  151.6  0.041  1438.4
  30.0  -1.80  -1.80  33.07  26.61  141.1  0.048  1438.7
  35.0  -1.80  -1.80  33.31  26.80  123.1  0.055  1439.1
  40.0  -1.78  -1.79  33.62  27.06   98.6  0.060  1439.7
  45.0  -1.78  -1.78  33.82  27.22   83.4  0.065  1440.1
  50.0  -1.77  -1.77  33.92  27.30   75.8  0.069  1440.4
  55.0  -1.79  -1.79  34.01  27.38   68.6  0.073  1440.5
  60.0  -1.83  -1.83  34.05  27.41   65.8  0.076  1440.4
  65.0  -1.83  -1.83  34.05  27.41   65.7  0.079  1440.5
  70.0  -1.80  -1.80  34.07  27.43   63.7  0.083  1440.8
  75.0  -1.72  -1.72  34.10  27.45   61.9  0.086  1441.3
  80.0  -1.64  -1.64  34.14  27.48   59.1  0.089  1441.8
  85.0  -1.57  -1.57  34.19  27.52   55.1  0.092  1442.3
  90.0  -1.49  -1.49  34.24  27.56   51.6  0.094  1442.8
  95.0  -1.37  -1.38  34.31  27.60   47.1  0.097  1443.5
 100.0  -1.30  -1.30  34.35  27.64   44.1  0.099  1444.0
 110.0  -0.74  -0.74  34.44  27.69   39.2  0.103  1446.9
 120.0  -0.28  -0.28  34.54  27.75   33.9  0.107  1449.4
 130.0   0.51   0.51  34.66  27.80   29.1  0.110  1453.3
 140.0   1.14   1.13  34.75  27.83   26.3  0.113  1456.4
 150.0   1.85   1.84  34.86  27.87   23.1  0.116  1459.9
 160.0   2.23   2.23  34.90  27.87   23.0  0.118  1461.8
 170.0   2.39   2.38  34.92  27.88   22.5  0.120  1462.7
 180.0   2.54   2.52  34.95  27.89   22.0  0.122  1463.5
 190.0   2.65   2.64  34.96  27.89   22.2  0.125  1464.2
 200.0   2.66   2.65  34.97  27.89   21.5  0.127  1464.4
 210.0   2.61   2.60  34.97  27.90   21.4  0.129  1464.3
 220.0   2.53   2.52  34.96  27.90   21.3  0.131  1464.2
 230.0   2.54   2.53  34.97  27.90   20.8  0.133  1464.4
 240.0   2.50   2.49  34.97  27.91   20.6  0.135  1464.4
 250.0   2.45   2.43  34.96  27.90   20.6  0.138  1464.3
 260.0   2.36   2.34  34.96  27.91   20.1  0.140  1464.1
 270.0   2.38   2.36  34.97  27.91   19.8  0.142  1464.3
 280.0   2.44   2.42  34.98  27.92   19.8  0.144  1464.8
 290.0   2.40   2.39  34.98  27.92   19.3  0.146  1464.8
 300.0   2.33   2.31  34.97  27.92   19.4  0.148  1464.6
 310.0   2.23   2.21  34.97  27.93   18.8  0.150  1464.4
 320.0   2.24   2.22  34.97  27.93   19.0  0.151  1464.6
 330.0   2.20   2.18  34.97  27.93   18.7  0.153  1464.6
 340.0   2.16   2.14  34.96  27.93   18.6  0.155  1464.5
 350.0   2.09   2.07  34.96  27.93   18.3  0.157  1464.4
 360.0   2.06   2.04  34.96  27.93   18.2  0.159  1464.4
 370.0   2.03   2.01  34.96  27.94   18.0  0.161  1464.5
 380.0   1.95   1.93  34.94  27.93   18.7  0.163  1464.3
 390.0   1.93   1.91  34.95  27.94   17.9  0.164  1464.4
 400.0   1.93   1.90  34.95  27.93   18.2  0.166  1464.5
 410.0   1.90   1.88  34.94  27.93   18.5  0.168  1464.5
 420.0   1.97   1.95  34.96  27.94   18.0  0.170  1465.0
 430.0   2.00   1.98  34.96  27.94   18.0  0.172  1465.3
 440.0   1.95   1.92  34.95  27.94   18.0  0.174  1465.2
 450.0   1.95   1.92  34.95  27.94   18.4  0.176  1465.4
 460.0   1.99   1.96  34.96  27.94   18.2  0.177  1465.8
 470.0   2.00   1.97  34.96  27.94   18.1  0.179  1466.0
 480.0   1.97   1.94  34.95  27.94   18.5  0.181  1466.0
 490.0   1.94   1.91  34.95  27.94   18.3  0.183  1466.1
 500.0   1.90   1.87  34.94  27.93   18.6  0.185  1466.0
 530.0   1.79   1.76  34.94  27.94   18.2  0.190  1466.0
 560.0   1.75   1.72  34.94  27.95   17.6  0.196  1466.4
 590.0   1.47   1.44  34.93  27.95   16.7  0.201  1465.6
 620.0   1.26   1.23  34.92  27.96   15.8  0.206  1465.2
 650.0   1.09   1.06  34.91  27.97   14.7  0.211  1464.9
 680.0   1.01   0.98  34.92  27.98   14.0  0.215  1465.1

DEPTH    TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

 710.0   0.93   0.89  34.92  27.98   13.2  0.219  1465.2
 740.0   0.85   0.82  34.92  27.99   12.6  0.223  1465.4
 790.0   0.65   0.61  34.91  28.00   11.3  0.229  1465.3
 840.0   0.49   0.45  34.91  28.01   10.3  0.235  1465.4
 890.0   0.32   0.27  34.91  28.01    9.4  0.240  1465.4
 940.0   0.19   0.14  34.90  28.02    8.9  0.244  1465.7
 990.0   0.06   0.01  34.90  28.02    8.0  0.249  1465.9
1040.0  -0.05  -0.09  34.90  28.02    7.5  0.252  1466.3
1090.0  -0.14  -0.19  34.89  28.03    6.8  0.256  1466.7
1140.0  -0.21  -0.26  34.89  28.03    6.3  0.259  1467.2
1190.0  -0.28  -0.33  34.89  28.03    5.8  0.263  1467.8
1240.0  -0.33  -0.39  34.89  28.04    5.2  0.265  1468.4
1290.0  -0.38  -0.44  34.89  28.04    4.9  0.268  1469.0
1340.0  -0.44  -0.51  34.89  28.04    4.2  0.270  1469.5
1390.0  -0.49  -0.55  34.90  28.05    3.7  0.272  1470.2
1440.0  -0.54  -0.60  34.90  28.05    3.0  0.274  1470.8
1459.0  -0.56  -0.62  34.90  28.05    2.9  0.274  1471.1
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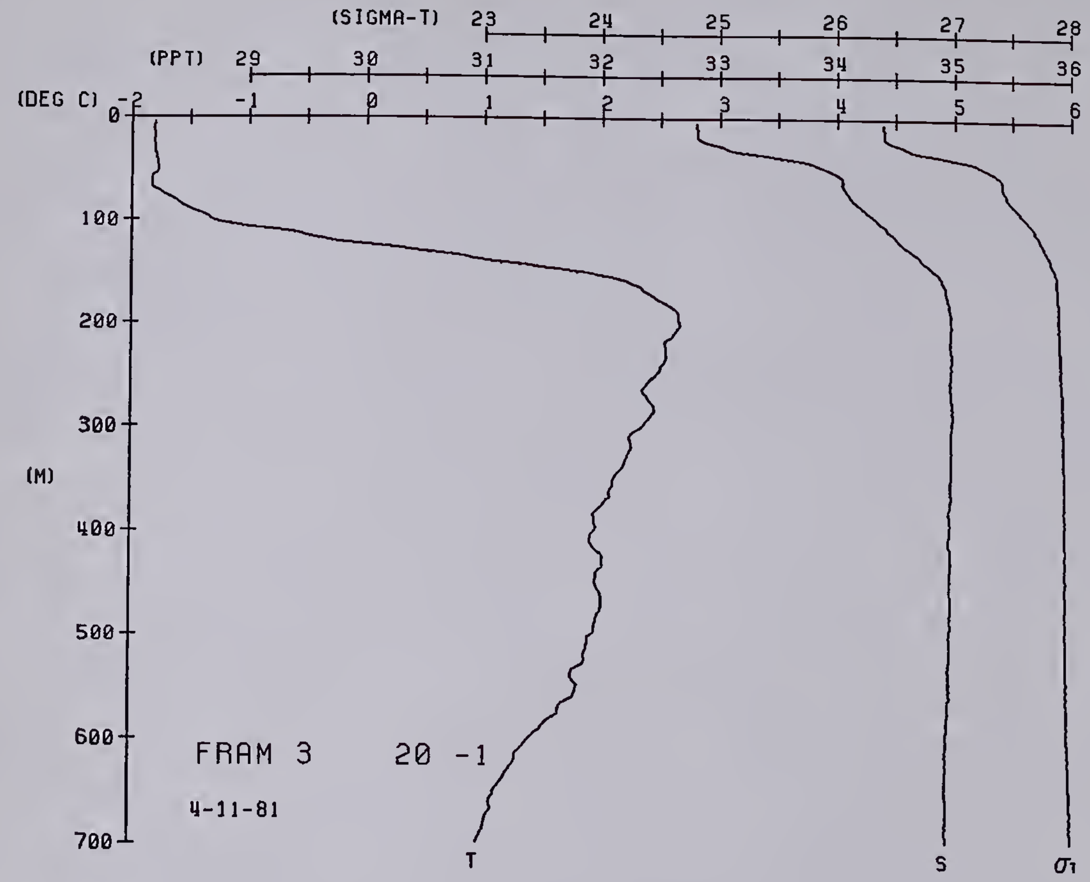
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4-11-81
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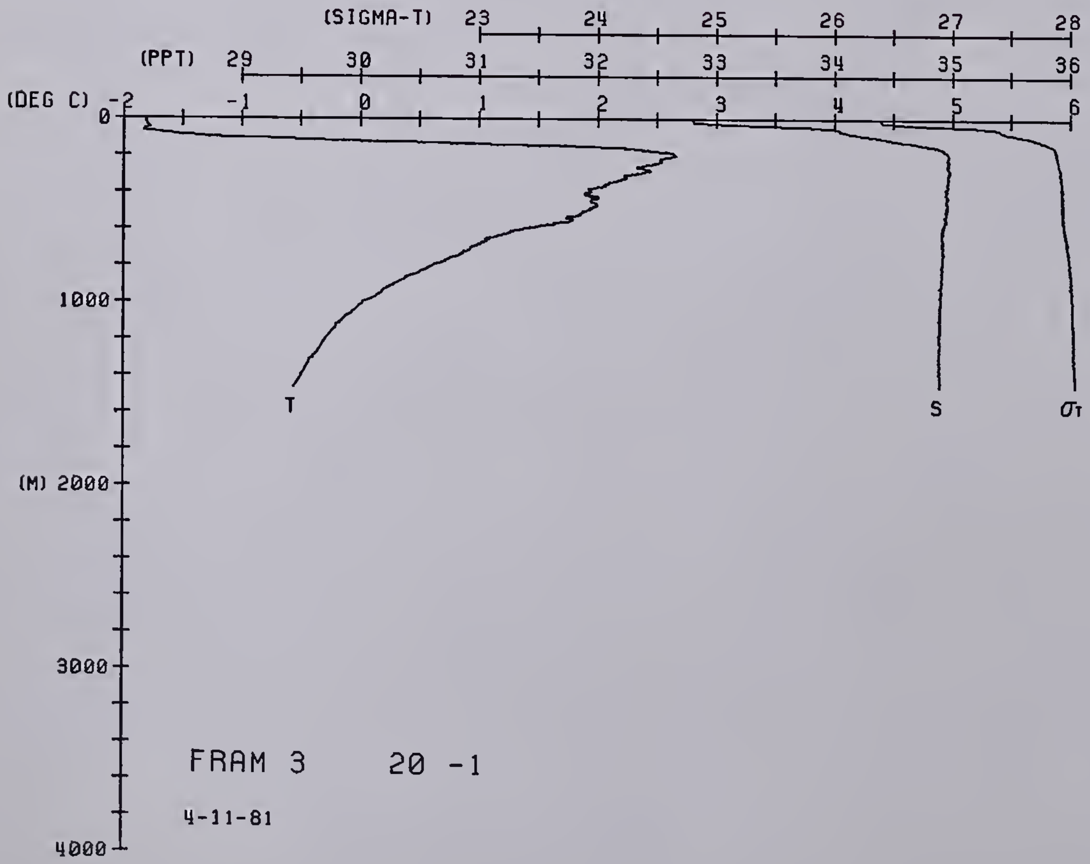
σT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4-11-81

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  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND             DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.16   -1.16   32.22   25.90   209.1   0.000  1440.0             710.0    1.00    0.96   34.91   27.97    14.3   0.219  1465.5
    4.0   -1.16   -1.16   32.22   25.90   209.0   0.008  1440.1             740.0    0.90    0.86   34.91   27.98    13.5   0.223  1465.6
    5.0   -1.27   -1.27   32.31   25.98   201.2   0.011  1439.7             790.0    0.74    0.70   34.91   27.99    12.1   0.229  1465.7
   10.0   -1.71   -1.71   32.75   26.35   166.4   0.020  1438.3             840.0    0.54    0.49   34.91   28.00    11.1   0.235  1465.6
   15.0   -1.77   -1.77   32.86   26.44   157.7   0.028  1438.3             890.0    0.36    0.32   34.90   28.01    10.0   0.241  1465.6
   20.0   -1.81   -1.81   32.94   26.51   151.2   0.036  1438.3             940.0    0.20    0.16   34.90   28.01     9.1   0.246  1465.8
   25.0   -1.81   -1.81   33.01   26.56   145.9   0.043  1438.5             990.0    0.07    0.02   34.90   28.02     8.4   0.250  1466.0
   30.0   -1.80   -1.80   33.23   26.74   129.1   0.050  1438.9            1040.0   -0.02   -0.07   34.89   28.02     8.0   0.254  1466.4
   35.0   -1.78   -1.78   33.65   27.08    96.5   0.056  1439.7            1090.0   -0.10   -0.15   34.89   28.02     7.4   0.258  1466.9
   40.0   -1.77   -1.77   33.85   27.25    80.9   0.060  1440.1            1140.0   -0.18   -0.23   34.89   28.03     6.9   0.262  1467.4
   45.0   -1.79   -1.80   33.94   27.32    74.1   0.064  1440.2            1190.0   -0.25   -0.31   34.89   28.03     6.4   0.265  1467.9
   50.0   -1.82   -1.82   33.98   27.35    71.4   0.068  1440.2            1240.0   -0.31   -0.37   34.88   28.03     6.2   0.268  1468.4
   55.0   -1.83   -1.83   33.99   27.36    70.5   0.072  1440.3            1290.0   -0.38   -0.44   34.88   28.03     5.6   0.271  1469.0
   60.0   -1.85   -1.85   34.03   27.39    67.4   0.075  1440.3            1340.0   -0.44   -0.51   34.88   28.03     4.9   0.274  1469.5
   65.0   -1.84   -1.84   34.04   27.40    66.2   0.079  1440.5            1390.0   -0.49   -0.55   34.88   28.04     4.7   0.276  1470.2
   70.0   -1.81   -1.81   34.07   27.43    63.9   0.082  1440.7            1440.0   -0.52   -0.59   34.89   28.04     3.8   0.279  1470.9
   75.0   -1.71   -1.72   34.12   27.47    60.1   0.085  1441.3            1458.0   -0.54   -0.60   34.88   28.04     3.9   0.279  1471.1
   80.0   -1.61   -1.61   34.17   27.50    57.1   0.088  1442.0
   85.0   -1.53   -1.53   34.23   27.54    52.8   0.091  1442.5
   90.0   -1.37   -1.37   34.31   27.61    46.7   0.093  1443.5
   95.0   -1.27   -1.28   34.35   27.64    44.1   0.096  1444.1
  100.0   -1.22   -1.22   34.39   27.66    41.5   0.098  1444.4
  110.0   -0.50   -0.50   34.50   27.73    35.3   0.102  1448.1
  120.0    0.21    0.21   34.59   27.77    32.1   0.105  1451.7
  130.0    1.06    1.05   34.74   27.83    26.2   0.108  1455.9
  140.0    2.05    2.04   34.88   27.87    22.8   0.110  1460.6
  150.0    2.34    2.33   34.91   27.88    22.7   0.113  1462.1
  160.0    2.54    2.54   34.95   27.88    22.2   0.115  1463.2
  170.0    2.63    2.62   34.96   27.88    22.2   0.117  1463.8
  180.0    2.73    2.71   34.97   27.88    22.3   0.119  1464.4
  190.0    2.73    2.72   34.97   27.89    22.0   0.122  1464.6
  200.0    2.73    2.72   34.98   27.89    21.6   0.124  1464.7
  210.0    2.70    2.69   34.98   27.90    21.2   0.126  1464.8
  220.0    2.66    2.65   34.98   27.90    21.1   0.128  1464.8
  230.0    2.65    2.64   34.98   27.90    21.2   0.130  1464.9
  240.0    2.62    2.60   34.98   27.90    20.8   0.132  1464.9
  250.0    2.61    2.59   34.98   27.91    20.7   0.135  1465.0
  260.0    2.60    2.58   34.99   27.91    20.3   0.137  1465.1
  270.0    2.59    2.57   34.98   27.91    20.4   0.139  1465.3
  280.0    2.55    2.53   34.98   27.91    20.1   0.141  1465.3
  290.0    2.49    2.47   34.98   27.92    19.7   0.143  1465.2
  300.0    2.38    2.36   34.97   27.92    19.5   0.145  1464.9
  310.0    2.25    2.23   34.96   27.92    19.3   0.147  1464.4
  320.0    2.24    2.22   34.97   27.93    18.7   0.149  1464.6
  330.0    2.19    2.17   34.97   27.93    18.6   0.151  1464.5
  340.0    2.16    2.14   34.97   27.93    18.5   0.152  1464.5
  350.0    2.14    2.12   34.96   27.93    18.4   0.154  1464.6
  360.0    2.17    2.15   34.97   27.93    18.2   0.156  1464.9
  370.0    2.14    2.12   34.97   27.94    17.8   0.158  1465.0
  380.0    2.16    2.14   34.97   27.94    18.2   0.160  1465.2
  390.0    2.16    2.14   34.98   27.94    17.9   0.162  1465.4
  400.0    2.21    2.19   34.98   27.94    18.1   0.163  1465.8
  410.0    2.21    2.19   34.98   27.94    18.1   0.165  1465.9
  420.0    2.20    2.18   34.98   27.94    18.2   0.167  1466.1
  430.0    2.22    2.19   34.98   27.94    18.4   0.169  1466.3
  440.0    2.20    2.17   34.98   27.94    18.4   0.171  1466.4
  450.0    2.16    2.13   34.97   27.94    18.7   0.173  1466.4
  460.0    1.96    1.93   34.95   27.93    18.7   0.175  1465.6
  470.0    1.89    1.87   34.95   27.94    18.3   0.176  1465.5
  480.0    1.94    1.91   34.95   27.94    18.5   0.178  1465.9
  490.0    1.91    1.88   34.95   27.94    18.5   0.180  1465.9
  500.0    1.92    1.89   34.95   27.94    18.6   0.182  1466.1
  530.0    1.95    1.92   34.95   27.94    18.8   0.188  1466.8
  560.0    1.80    1.77   34.94   27.94    18.5   0.193  1466.6
  590.0    1.64    1.61   34.93   27.94    18.0   0.199  1466.4
  620.0    1.44    1.41   34.91   27.95    17.5   0.204  1466.0
  650.0    1.23    1.20   34.91   27.95    16.4   0.210  1465.5
  680.0    1.08    1.04   34.91   27.97    15.0   0.214  1465.4
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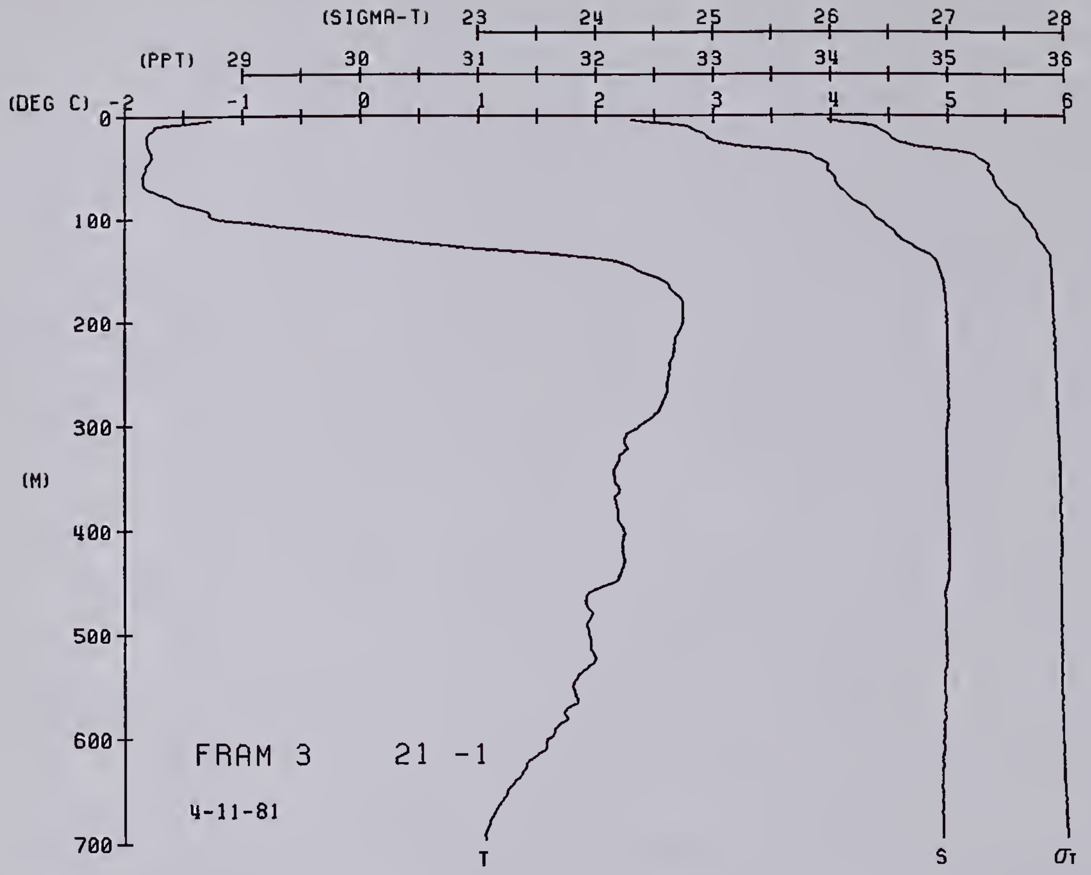
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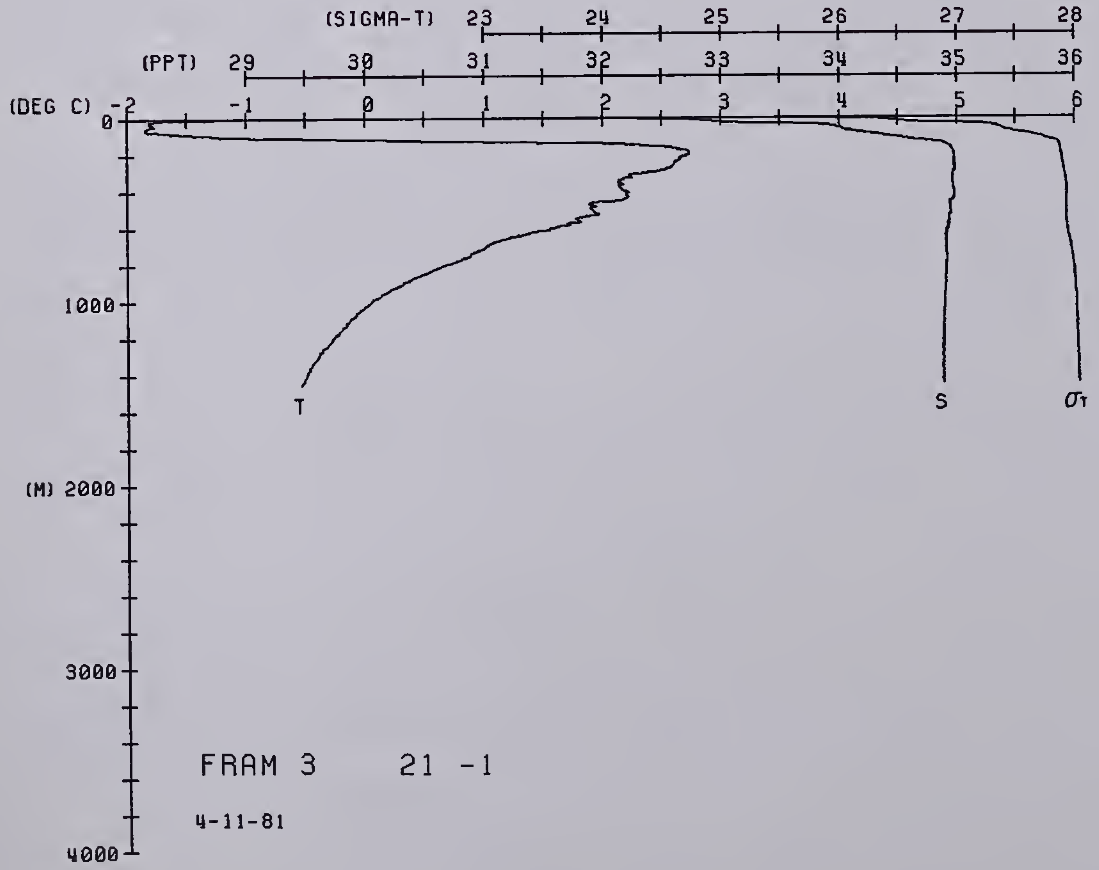
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σT

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 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT     SOUND           DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT     SOUND

   0.0   -1.81   -1.81   32.78   26.38   164.0   0.000    1437.7           710.0    0.95    0.91   34.90   27.97    14.5   0.219    1465.3
   4.0   -1.81   -1.81   32.78   26.38   163.9   0.007    1437.8           740.0    0.88    0.84   34.91   27.98    13.6   0.223    1465.5
   5.0   -1.81   -1.81   32.79   26.38   163.2   0.008    1437.8           790.0    0.72    0.68   34.91   27.99    12.3   0.230    1465.6
  10.0   -1.81   -1.81   32.81   26.40   161.4   0.017    1438.0           840.0    0.53    0.49   34.90   28.00    11.5   0.236    1465.5
  15.0   -1.81   -1.81   32.89   26.47   155.1   0.025    1438.2           890.0    0.33    0.29   34.89   28.00    10.5   0.241    1465.5
  20.0   -1.81   -1.81   33.00   26.56   146.4   0.032    1438.4           940.0    0.18    0.14   34.89   28.01     9.6   0.246    1465.7
  25.0   -1.82   -1.82   33.07   26.61   141.2   0.039    1438.5           990.0    0.05    0.01   34.89   28.01     8.9   0.251    1465.9
  30.0   -1.81   -1.81   33.25   26.76   127.7   0.046    1438.9          1040.0   -0.05   -0.10   34.89   28.02     8.1   0.255    1466.2
  35.0   -1.78   -1.78   33.58   27.03   102.0   0.052    1439.6          1090.0   -0.13   -0.18   34.88   28.02     7.7   0.259    1466.7
  40.0   -1.77   -1.78   33.77   27.18    87.4   0.057    1440.0          1140.0   -0.21   -0.26   34.87   28.02     7.8   0.263    1467.2
  45.0   -1.77   -1.77   33.91   27.29    76.7   0.061    1440.3          1190.0   -0.28   -0.34   34.88   28.02     6.9   0.267    1467.7
  50.0   -1.78   -1.78   34.01   27.37    69.0   0.065    1440.4          1240.0   -0.35   -0.41   34.88   28.02     6.4   0.270    1468.2
  55.0   -1.83   -1.83   34.04   27.40    66.5   0.068    1440.4          1290.0   -0.43   -0.48   34.87   28.03     6.0   0.273    1468.8
  60.0   -1.84   -1.84   34.04   27.40    66.0   0.071    1440.4          1340.0   -0.47   -0.53   34.87   28.03     5.7   0.276    1469.4
  65.0   -1.82   -1.82   34.05   27.41    65.4   0.075    1440.6          1390.0   -0.50   -0.56   34.87   28.02     5.8   0.279    1470.1
  70.0   -1.79   -1.79   34.08   27.43    63.4   0.078    1440.8          1440.0   -0.53   -0.60   34.87   28.02     5.5   0.282    1470.8
  75.0   -1.72   -1.72   34.11   27.46    61.2   0.081    1441.3          1461.9   -0.56   -0.63   34.87   28.03     5.1   0.283    1471.0
  80.0   -1.61   -1.61   34.17   27.50    57.0   0.084    1442.0
  85.0   -1.53   -1.53   34.22   27.54    53.0   0.087    1442.5
  90.0   -1.46   -1.46   34.25   27.56    51.1   0.090    1443.0
  95.0   -1.35   -1.35   34.29   27.59    48.1   0.092    1443.6
 100.0   -1.27   -1.28   34.33   27.62    45.3   0.094    1444.1
 110.0   -0.79   -0.79   34.46   27.71    37.4   0.099    1446.7
 120.0   -0.19   -0.20   34.54   27.75    34.0   0.102    1449.8
 130.0    0.66    0.66   34.66   27.80    29.4   0.105    1454.0
 140.0    1.63    1.62   34.83   27.86    23.8   0.108    1458.7
 150.0    2.17    2.16   34.89   27.87    22.9   0.110    1461.4
 160.0    2.40    2.39   34.91   27.87    23.5   0.113    1462.5
 170.0    2.52    2.51   34.94   27.88    22.8   0.115    1463.3
 180.0    2.64    2.63   34.96   27.89    22.0   0.117    1464.0
 190.0    2.70    2.69   34.96   27.88    22.4   0.120    1464.4
 200.0    2.69    2.68   34.96   27.88    22.4   0.122    1464.5
 210.0    2.65    2.64   34.96   27.89    22.2   0.124    1464.5
 220.0    2.62    2.61   34.97   27.89    21.5   0.126    1464.6
 230.0    2.60    2.58   34.96   27.89    21.8   0.129    1464.6
 240.0    2.57    2.55   34.98   27.91    20.6   0.131    1464.7
 250.0    2.55    2.53   34.97   27.90    20.7   0.133    1464.7
 260.0    2.51    2.49   34.96   27.90    21.5   0.135    1464.7
 270.0    2.46    2.45   34.96   27.90    21.0   0.137    1464.7
 280.0    2.45    2.43   34.97   27.91    20.5   0.139    1464.8
 290.0    2.43    2.42   34.97   27.91    20.5   0.141    1464.9
 300.0    2.37    2.36   34.96   27.91    20.4   0.143    1464.8
 310.0    2.26    2.24   34.95   27.91    20.0   0.145    1464.5
 320.0    2.27    2.25   34.96   27.92    19.9   0.147    1464.7
 330.0    2.21    2.19   34.96   27.92    19.4   0.149    1464.6
 340.0    2.15    2.13   34.95   27.92    19.1   0.151    1464.5
 350.0    2.10    2.08   34.95   27.92    19.5   0.153    1464.4
 360.0    2.08    2.05   34.95   27.92    19.1   0.155    1464.5
 370.0    2.13    2.11   34.96   27.93    18.6   0.157    1464.9
 380.0    2.16    2.14   34.97   27.93    18.5   0.159    1465.2
 390.0    2.08    2.06   34.95   27.93    19.1   0.161    1465.0
 400.0    2.03    2.01   34.95   27.93    18.9   0.163    1465.0
 410.0    1.96    1.93   34.94   27.93    18.7   0.165    1464.8
 420.0    2.09    2.07   34.96   27.93    18.8   0.167    1465.6
 430.0    2.09    2.06   34.96   27.93    18.9   0.169    1465.7
 440.0    2.09    2.06   34.95   27.93    19.2   0.170    1465.9
 450.0    2.06    2.03   34.95   27.93    19.0   0.172    1465.9
 460.0    2.03    2.00   34.96   27.93    18.7   0.174    1465.9
 470.0    2.01    1.98   34.95   27.93    19.0   0.176    1466.0
 480.0    1.97    1.94   34.95   27.93    18.7   0.178    1466.0
 490.0    1.95    1.92   34.94   27.93    19.2   0.180    1466.1
 500.0    1.90    1.87   34.93   27.93    19.4   0.182    1466.0
 530.0    1.82    1.79   34.93   27.93    19.0   0.188    1466.2
 560.0    1.73    1.69   34.93   27.94    18.4   0.194    1466.2
 590.0    1.60    1.56   34.92   27.94    18.0   0.199    1466.2
 620.0    1.38    1.34   34.91   27.95    17.1   0.204    1465.7
 650.0    1.18    1.15   34.90   27.95    16.3   0.209    1465.3
 680.0    1.07    1.03   34.91   27.97    15.0   0.214    1465.3
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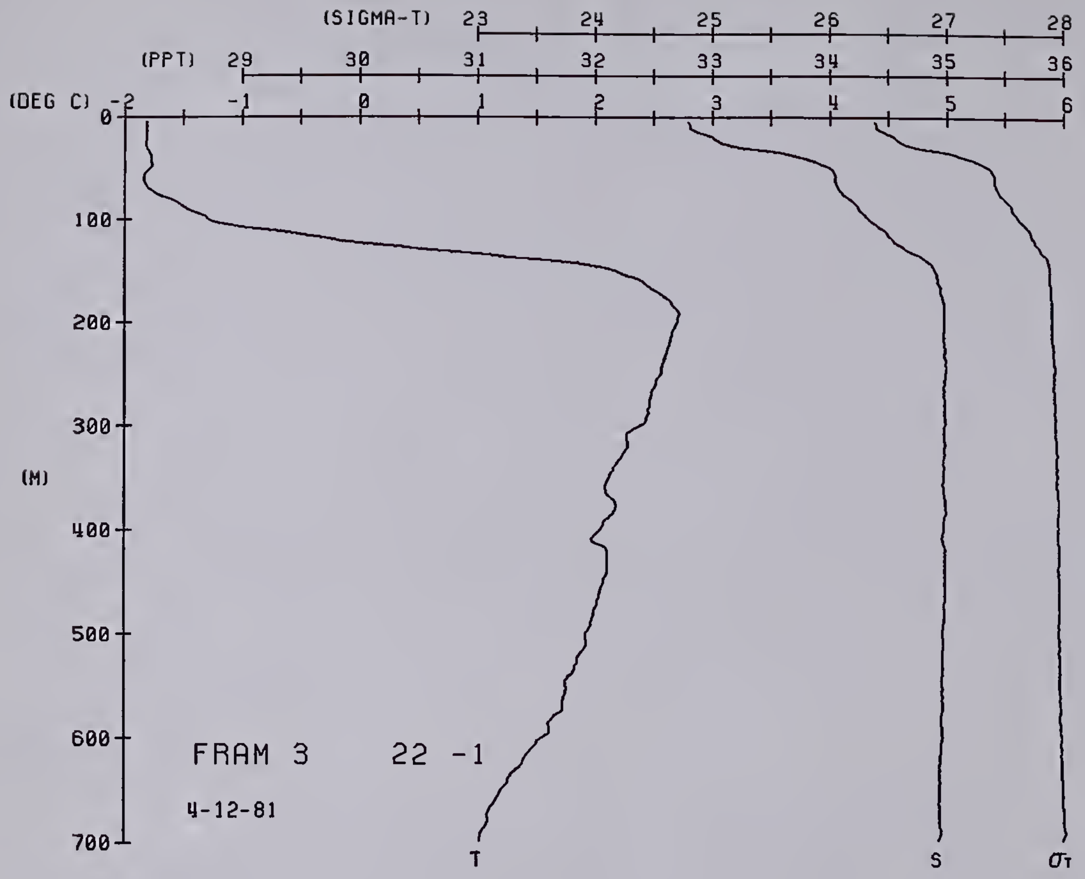
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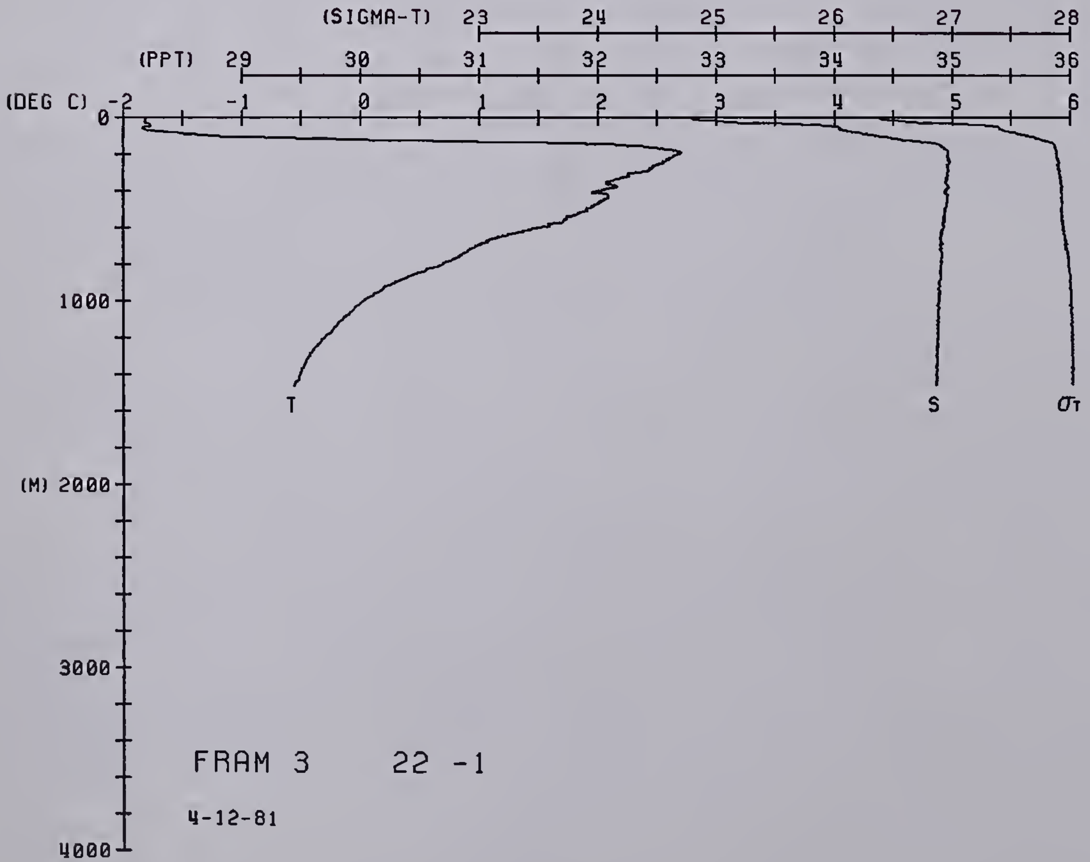
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    0.0   -1.82   -1.82   32.91   26.48   153.9   0.000  1437.9            710.0    0.92    0.88   34.91   27.98    13.4   0.218  1465.1
    4.0   -1.82   -1.82   32.91   26.48   153.9   0.006  1438.0            740.0    0.83    0.80   34.91   27.99    12.8   0.222  1465.3
    5.0   -1.82   -1.82   32.91   26.48   153.9   0.008  1438.0            790.0    0.65    0.62   34.91   28.00    11.5   0.228  1465.3
   10.0   -1.82   -1.82   32.93   26.50   152.3   0.016  1438.1            840.0    0.46    0.41   34.90   28.00    10.7   0.233  1465.2
   15.0   -1.82   -1.82   32.93   26.50   152.4   0.023  1438.2            890.0    0.31    0.26   34.90   28.01    10.0   0.239  1465.4
   20.0   -1.82   -1.82   32.96   26.52   150.0   0.031  1438.3            940.0    0.15    0.10   34.90   28.01     9.0   0.243  1465.5
   25.0   -1.82   -1.82   33.05   26.59   143.2   0.038  1438.5            990.0    0.04   -0.01   34.89   28.02     8.3   0.248  1465.8
   30.0   -1.81   -1.81   33.13   26.66   136.5   0.045  1438.7           1040.0   -0.05   -0.10   34.89   28.02     7.9   0.252  1466.3
   35.0   -1.80   -1.80   33.34   26.83   120.3   0.052  1439.2           1090.0   -0.14   -0.19   34.89   28.02     7.3   0.256  1466.7
   40.0   -1.78   -1.79   33.67   27.10    94.9   0.057  1439.8           1140.0   -0.21   -0.26   34.88   28.02     7.0   0.259  1467.2
   45.0   -1.79   -1.80   33.80   27.21    84.6   0.062  1440.0           1190.0   -0.28   -0.33   34.88   28.03     6.5   0.263  1467.7
   50.0   -1.78   -1.78   33.87   27.26    79.8   0.066  1440.3           1240.0   -0.35   -0.41   34.88   28.02     6.3   0.266  1468.3
   55.0   -1.76   -1.77   33.95   27.32    73.6   0.070  1440.5           1290.0   -0.42   -0.48   34.88   28.03     5.6   0.269  1468.8
   60.0   -1.79   -1.79   33.99   27.36    70.2   0.073  1440.6           1340.0   -0.47   -0.53   34.87   28.03     5.7   0.272  1469.4
   65.0   -1.80   -1.81   34.05   27.41    65.6   0.077  1440.6           1390.0   -0.51   -0.57   34.87   28.03     5.2   0.275  1470.1
   70.0   -1.76   -1.76   34.07   27.43    63.8   0.080  1441.0           1440.0   -0.54   -0.60   34.87   28.03     5.2   0.277  1470.8
   75.0   -1.67   -1.68   34.13   27.47    59.5   0.083  1441.5           1462.9   -0.55   -0.61   34.87   28.03     5.1   0.279  1471.1
   80.0   -1.57   -1.57   34.19   27.52    55.5   0.086  1442.2
   85.0   -1.50   -1.50   34.24   27.55    51.7   0.089  1442.7
   90.0   -1.37   -1.37   34.28   27.59    48.7   0.091  1443.5
   95.0   -1.26   -1.27   34.33   27.62    45.4   0.094  1444.1
  100.0   -1.20   -1.21   34.36   27.64    43.7   0.096  1444.5
  110.0   -0.96   -0.97   34.43   27.69    39.2   0.100  1445.9
  120.0   -0.41   -0.42   34.52   27.74    34.8   0.104  1448.7
  130.0    0.46    0.45   34.65   27.80    29.2   0.107  1453.1
  140.0    1.17    1.16   34.75   27.83    26.3   0.110  1456.6
  150.0    1.81    1.81   34.85   27.87    23.2   0.113  1459.7
  160.0    2.19    2.18   34.90   27.87    23.0   0.115  1461.6
  170.0    2.40    2.39   34.93   27.88    22.2   0.117  1462.7
  180.0    2.55    2.53   34.93   27.87    23.7   0.120  1463.5
  190.0    2.63    2.61   34.96   27.89    22.0   0.122  1464.1
  200.0    2.63    2.62   34.95   27.88    23.2   0.124  1464.3
  210.0    2.62    2.61   34.96   27.89    21.8   0.126  1464.4
  220.0    2.53    2.52   34.96   27.89    21.6   0.129  1464.2
  230.0    2.48    2.47   34.96   27.90    21.2   0.131  1464.1
  240.0    2.52    2.51   34.97   27.90    20.8   0.133  1464.5
  250.0    2.47    2.45   34.96   27.90    20.7   0.135  1464.4
  260.0    2.40    2.38   34.96   27.91    20.6   0.137  1464.2
  270.0    2.38    2.37   34.95   27.90    21.0   0.139  1464.3
  280.0    2.40    2.38   34.97   27.92    19.7   0.141  1464.6
  290.0    2.41    2.40   34.97   27.91    20.1   0.143  1464.8
  300.0    2.35    2.33   34.97   27.92    19.8   0.145  1464.7
  310.0    2.25    2.23   34.96   27.92    19.8   0.147  1464.4
  320.0    2.22    2.20   34.96   27.92    19.3   0.149  1464.5
  330.0    2.23    2.21   34.96   27.92    19.1   0.151  1464.7
  340.0    2.19    2.17   34.96   27.93    18.8   0.153  1464.7
  350.0    2.13    2.11   34.96   27.93    18.9   0.155  1464.6
  360.0    2.08    2.06   34.96   27.93    18.5   0.157  1464.5
  370.0    2.07    2.04   34.96   27.93    18.5   0.159  1464.6
  380.0    2.10    2.08   34.96   27.93    18.3   0.161  1465.0
  390.0    2.12    2.09   34.96   27.93    18.6   0.163  1465.2
  400.0    2.00    1.98   34.95   27.93    18.8   0.164  1464.8
  410.0    1.97    1.94   34.95   27.93    18.4   0.166  1464.8
  420.0    1.96    1.94   34.95   27.93    18.4   0.168  1465.0
  430.0    2.13    2.11   34.98   27.94    17.8   0.170  1465.9
  440.0    2.13    2.11   34.97   27.94    18.6   0.172  1466.1
  450.0    2.08    2.06   34.96   27.93    18.6   0.174  1466.0
  460.0    2.00    1.97   34.96   27.94    18.3   0.176  1465.8
  470.0    1.96    1.93   34.96   27.94    18.1   0.177  1465.8
  480.0    1.97    1.94   34.95   27.94    18.4   0.179  1466.0
  490.0    1.91    1.88   34.94   27.93    18.7   0.181  1465.9
  500.0    1.88    1.85   34.94   27.94    18.4   0.183  1465.9
  530.0    1.75    1.72   34.94   27.94    18.0   0.189  1465.9
  560.0    1.64    1.60   34.93   27.94    17.8   0.194  1465.8
  590.0    1.42    1.39   34.92   27.95    16.7   0.199  1465.4
  620.0    1.24    1.21   34.91   27.96    16.0   0.204  1465.1
  650.0    1.07    1.04   34.91   27.97    14.9   0.209  1464.8
  680.0    0.99    0.96   34.91   27.98    14.1   0.213  1465.0
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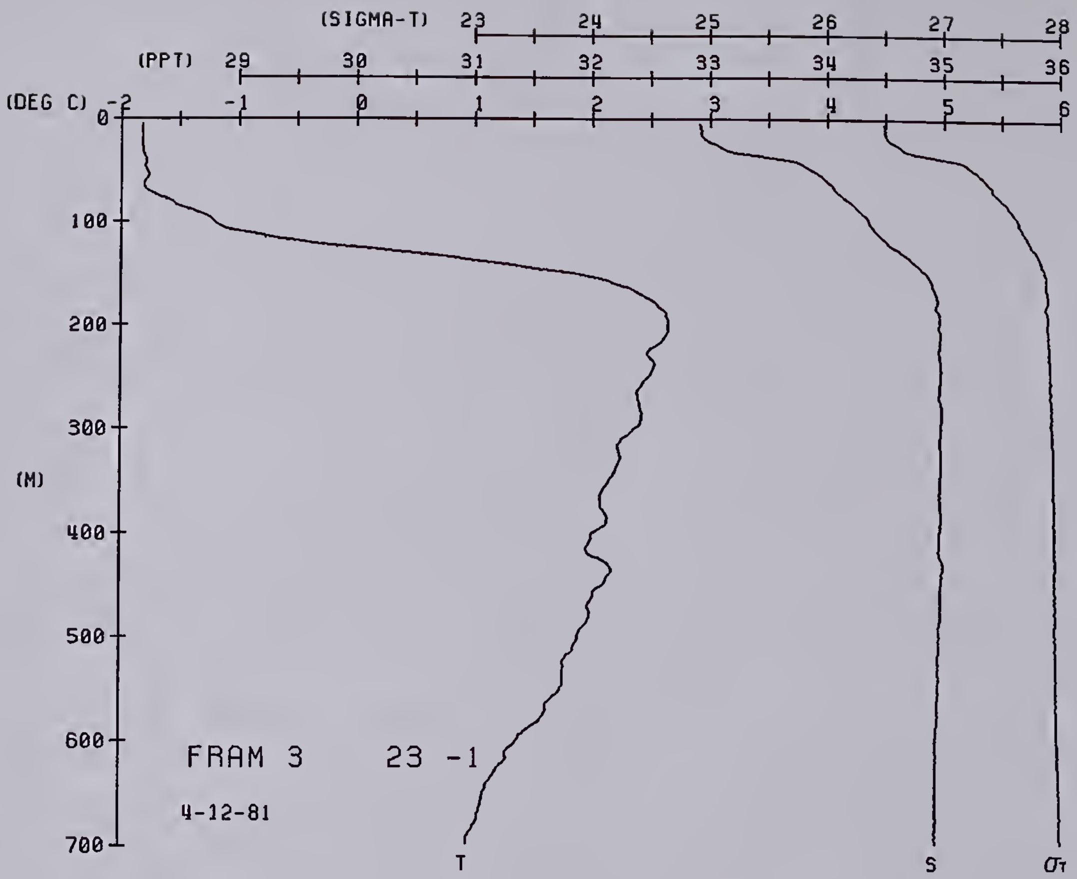
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FRAM 3 23 -1
4-12-81
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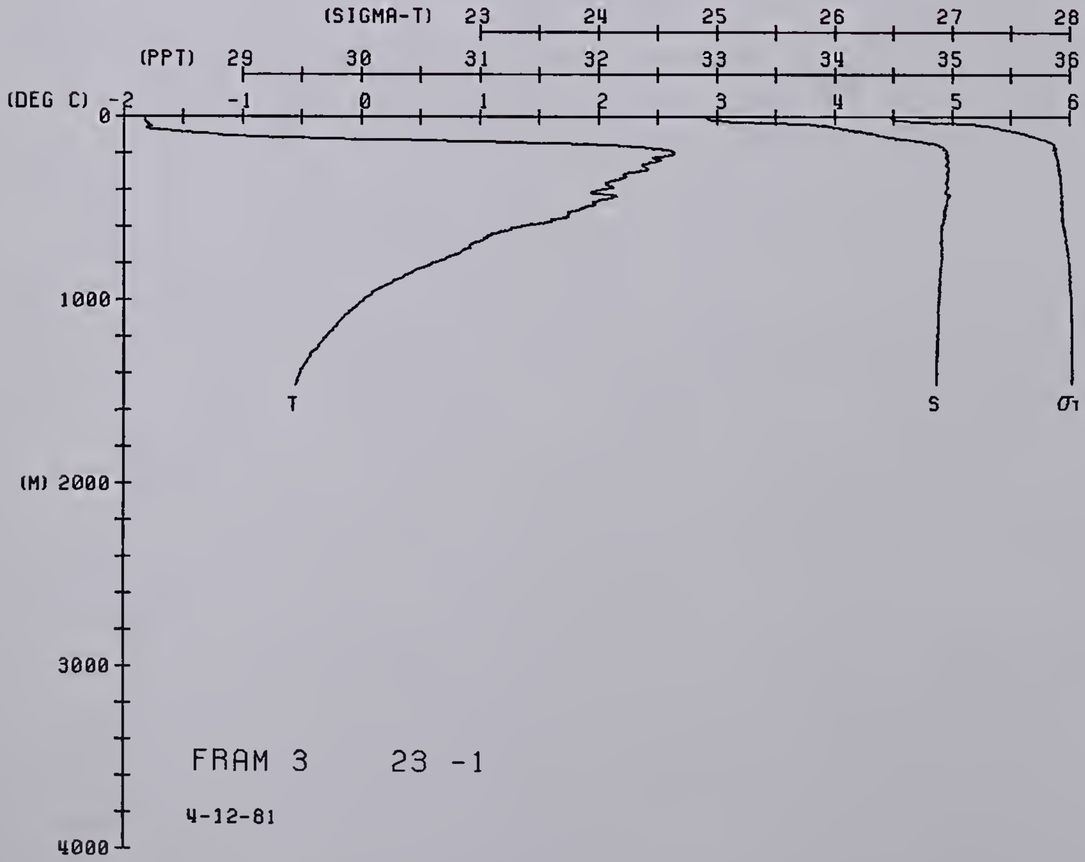
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4000
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S
σT
FRAM 3 23 -1
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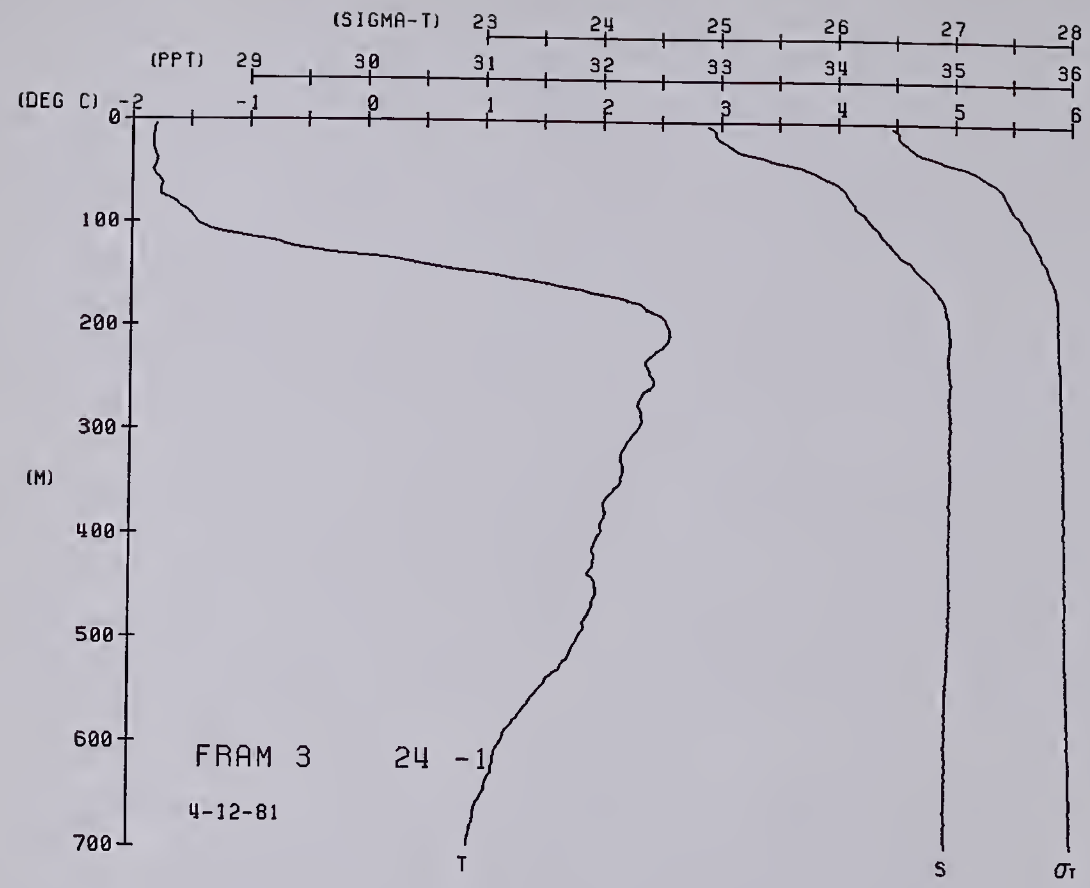
FRAM 3 STATION 24(1) CTD 12/APR/1981 1453 GMT CODE = 5
LAT = 83.0975N LNG =   7.5993E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BARUM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	32.87	26.45	157.4	0.000	1438.0
4.0	-1.79	-1.79	32.87	26.45	157.3	0.006	1438.0
5.0	-1.80	-1.80	32.89	26.47	155.1	0.008	1438.1
10.0	-1.81	-1.81	32.96	26.52	150.2	0.016	1438.2
15.0	-1.82	-1.82	32.97	26.53	148.9	0.023	1438.2
20.0	-1.82	-1.82	33.03	26.58	144.4	0.031	1438.4
25.0	-1.82	-1.82	33.10	26.64	138.9	0.038	1438.6
30.0	-1.81	-1.81	33.19	26.71	132.2	0.045	1438.8
35.0	-1.80	-1.80	33.37	26.85	118.6	0.051	1439.2
40.0	-1.78	-1.79	33.53	26.99	105.8	0.057	1439.6
45.0	-1.80	-1.80	33.73	27.15	90.7	0.062	1439.9
50.0	-1.81	-1.81	33.82	27.22	83.5	0.066	1440.0
55.0	-1.79	-1.79	33.91	27.29	76.7	0.070	1440.4
60.0	-1.75	-1.75	34.00	27.37	69.6	0.074	1440.8
65.0	-1.74	-1.74	34.06	27.41	65.1	0.077	1440.9
70.0	-1.76	-1.77	34.08	27.43	63.2	0.080	1441.0
75.0	-1.72	-1.72	34.12	27.46	60.8	0.084	1441.3
80.0	-1.63	-1.63	34.14	27.48	58.9	0.067	1441.8
85.0	-1.58	-1.58	34.17	27.50	56.5	0.089	1442.2
90.0	-1.52	-1.52	34.24	27.56	51.4	0.092	1442.7
95.0	-1.47	-1.48	34.27	27.58	49.6	0.095	1443.0
100.0	-1.44	-1.44	34.31	27.61	46.3	0.097	1443.3
110.0	-1.21	-1.21	34.38	27.66	42.0	0.102	1444.7
120.0	-0.72	-0.72	34.46	27.71	37.6	0.106	1447.2
130.0	-0.17	-0.17	34.54	27.75	33.8	0.109	1450.0
140.0	0.49	0.48	34.65	27.80	29.4	0.112	1453.3
150.0	1.09	1.09	34.74	27.83	26.4	0.115	1456.4
160.0	1.62	1.62	34.83	27.86	23.8	0.118	1459.0
170.0	2.08	2.07	34.89	27.88	22.3	0.120	1461.3
180.0	2.36	2.34	34.92	27.88	22.6	0.122	1462.7
190.0	2.52	2.51	34.94	27.88	22.4	0.125	1463.6
200.0	2.57	2.55	34.95	27.88	22.4	0.127	1464.0
210.0	2.57	2.56	34.96	27.89	22.0	0.129	1464.2
220.0	2.50	2.48	34.95	27.89	22.0	0.131	1464.0
230.0	2.38	2.37	34.94	27.89	21.4	0.134	1463.7
240.0	2.39	2.38	34.95	27.90	21.1	0.136	1463.9
250.0	2.43	2.42	34.96	27.90	20.9	0.138	1464.2
260.0	2.39	2.37	34.96	27.91	20.5	0.140	1464.2
270.0	2.31	2.30	34.95	27.91	20.5	0.142	1464.0
280.0	2.33	2.31	34.96	27.91	20.1	0.144	1464.3
290.0	2.34	2.32	34.96	27.91	20.2	0.146	1464.5
300.0	2.28	2.27	34.96	27.92	19.7	0.148	1464.4
310.0	2.22	2.20	34.96	27.92	19.3	0.150	1464.3
320.0	2.17	2.15	34.95	27.92	19.5	0.152	1464.2
330.0	2.16	2.15	34.95	27.92	19.3	0.154	1464.4
340.0	2.17	2.15	34.96	27.92	19.3	0.156	1464.6
350.0	2.15	2.13	34.96	27.93	19.0	0.158	1464.7
360.0	2.07	2.05	34.95	27.93	19.0	0.160	1464.5
370.0	2.01	1.99	34.95	27.93	18.6	0.162	1464.4
380.0	2.02	2.00	34.95	27.93	18.7	0.164	1464.6
390.0	1.99	1.97	34.95	27.93	18.5	0.166	1464.6
400.0	1.97	1.95	34.95	27.93	18.5	0.167	1464.7
410.0	1.93	1.90	34.95	27.94	18.1	0.169	1464.7
420.0	1.93	1.91	34.94	27.93	18.5	0.171	1464.9
430.0	1.92	1.90	34.95	27.94	18.3	0.173	1465.0
440.0	1.90	1.88	34.95	27.94	17.9	0.175	1465.1
450.0	1.95	1.92	34.95	27.94	18.2	0.177	1465.4
460.0	1.93	1.91	34.95	27.94	18.1	0.179	1465.5
470.0	1.91	1.89	34.95	27.94	18.2	0.180	1465.6
480.0	1.86	1.84	34.95	27.94	18.1	0.182	1465.5
490.0	1.85	1.82	34.94	27.94	18.1	0.184	1465.6
500.0	1.79	1.77	34.94	27.94	18.2	0.186	1465.6
530.0	1.63	1.60	34.93	27.94	17.5	0.191	1465.3
560.0	1.39	1.36	34.92	27.95	16.3	0.196	1464.7
590.0	1.18	1.15	34.91	27.96	15.4	0.201	1464.3
620.0	1.08	1.05	34.92	27.97	14.3	0.206	1464.4
650.0	0.99	0.96	34.91	27.98	13.9	0.210	1464.5
680.0	0.90	0.86	34.91	27.98	13.5	0.214	1464.5
710.0	0.86	0.82	34.92	27.99	12.4	0.218	1464.9
740.0	0.76	0.72	34.91	27.99	12.1	0.222	1464.9
790.0	0.57	0.54	34.91	28.00	11.1	0.228	1464.9
840.0	0.38	0.34	34.90	28.01	10.0	0.233	1464.9
890.0	0.23	0.19	34.90	28.01	9.1	0.238	1465.0
940.0	0.12	0.07	34.89	28.01	8.8	0.243	1465.4
990.0	0.00	-0.04	34.89	28.02	8.2	0.247	1465.7
1040.0	-0.09	-0.14	34.89	28.02	7.5	0.251	1466.1
1090.0	-0.18	-0.23	34.89	28.03	7.0	0.255	1466.5
1140.0	-0.24	-0.29	34.89	28.03	6.6	0.258	1467.1
1190.0	-0.31	-0.36	34.88	28.03	6.5	0.261	1467.6
1240.0	-0.36	-0.42	34.88	28.03	6.1	0.265	1468.2
1290.0	-0.41	-0.47	34.88	28.03	5.6	0.268	1468.8
1340.0	-0.47	-0.54	34.88	28.03	5.0	0.270	1469.4
1390.0	-0.50	-0.56	34.87	28.03	5.3	0.273	1470.1
1440.0	-0.55	-0.61	34.87	28.03	4.8	0.276	1470.8
1460.9	-0.56	-0.63	34.87	28.03	4.9	0.277	1471.0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4-12-81
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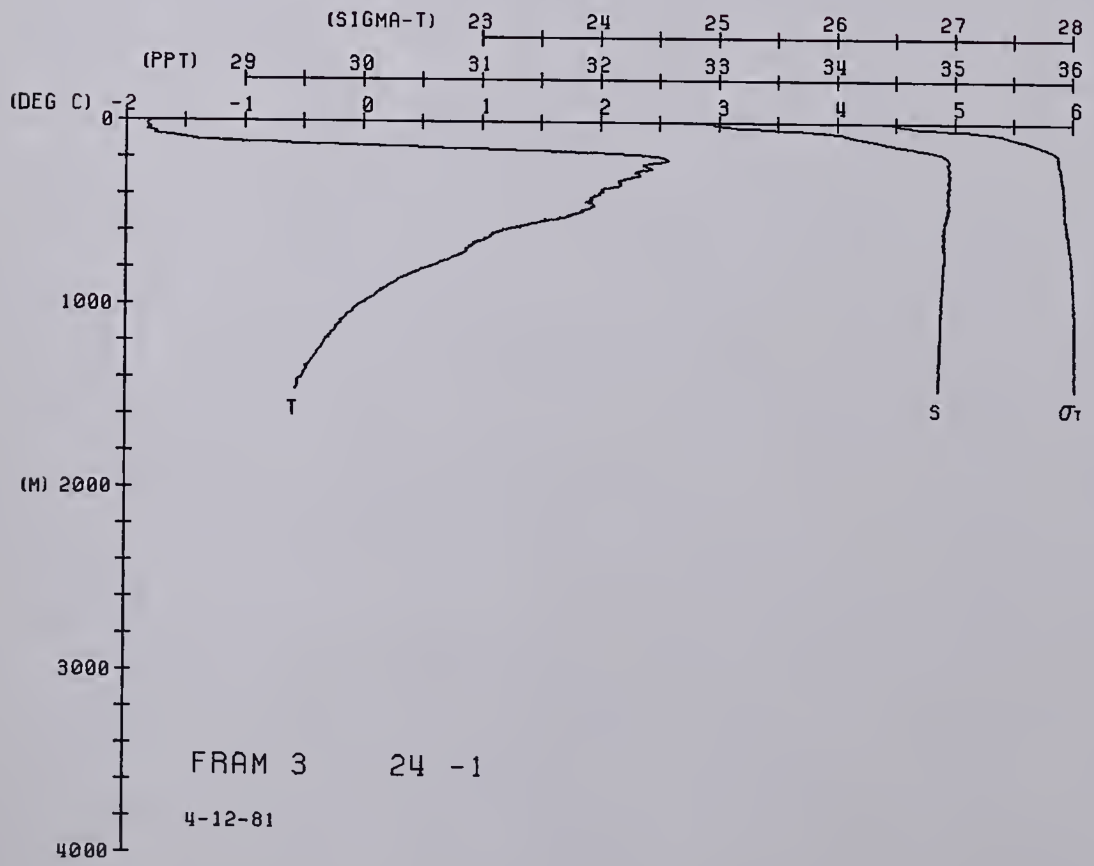
σ_T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AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.78   -1.78   32.98   26.54   148.8   0.000  1438.2
   4.0   -1.78   -1.78   32.98   26.54   148.8   0.006  1438.2
   5.0   -1.78   -1.78   32.98   26.54   148.3   0.008  1438.3
  10.0   -1.79   -1.79   33.03   26.58   144.5   0.015  1438.4
  15.0   -1.79   -1.80   33.09   26.63   140.2   0.022  1438.5
  20.0   -1.79   -1.80   33.13   26.66   136.7   0.029  1438.6
  25.0   -1.80   -1.81   33.21   26.72   130.9   0.036  1438.8
  30.0   -1.80   -1.81   33.28   26.78   125.4   0.042  1439.0
  35.0   -1.78   -1.78   33.43   26.90   113.5   0.048  1439.4
  40.0   -1.76   -1.76   33.60   27.04   100.9   0.054  1439.8
  45.0   -1.76   -1.76   33.71   27.13    92.0   0.059  1440.0
  50.0   -1.78   -1.78   33.82   27.22    83.6   0.063  1440.2
  55.0   -1.77   -1.77   33.89   27.28    78.0   0.067  1440.4
  60.0   -1.75   -1.75   33.96   27.34    72.6   0.071  1440.7
  65.0   -1.74   -1.74   34.00   27.37    69.6   0.075  1440.9
  70.0   -1.73   -1.73   34.04   27.39    66.9   0.078  1441.1
  75.0   -1.69   -1.69   34.07   27.43    64.0   0.081  1441.4
  80.0   -1.64   -1.64   34.11   27.45    61.7   0.085  1441.7
  85.0   -1.59   -1.59   34.13   27.47    59.6   0.088  1442.1
  90.0   -1.55   -1.56   34.17   27.50    56.8   0.091  1442.4
  95.0   -1.56   -1.56   34.20   27.52    54.6   0.093  1442.5
 100.0   -1.60   -1.60   34.23   27.55    52.0   0.096  1442.4
 110.0   -1.45   -1.45   34.26   27.57    49.9   0.101  1443.4
 120.0   -1.31   -1.31   34.31   27.61    46.8   0.106  1444.3
 130.0   -0.86   -0.87   34.38   27.64    43.4   0.111  1446.6
 140.0   -0.55   -0.56   34.42   27.66    41.4   0.115  1448.3
 150.0   -0.05   -0.06   34.50   27.70    38.1   0.119  1450.8
 160.0    0.46    0.46   34.53   27.70    38.2   0.123  1453.4
 170.0    1.03    1.02   34.66   27.77    32.4   0.126  1456.3
 180.0    1.54    1.53   34.75   27.80    29.3   0.130  1458.8
 190.0    1.93    1.92   34.81   27.83    27.3   0.132  1460.8
 200.0    2.16    2.15   34.86   27.85    25.5   0.135  1462.1
 210.0    2.22    2.21   34.88   27.85    25.1   0.138  1462.6
 220.0    2.20    2.18   34.88   27.86    24.3   0.140  1462.6
 230.0    2.21    2.20   34.90   27.87    23.5   0.143  1462.9
 240.0    2.21    2.20   34.91   27.88    22.3   0.145  1463.0
 250.0    2.21    2.20   34.92   27.89    22.1   0.147  1463.2
 260.0    2.17    2.16   34.91   27.88    22.5   0.149  1463.2
 270.0    2.14    2.12   34.91   27.89    22.2   0.152  1463.2
 280.0    2.12    2.10   34.91   27.89    21.6   0.154  1463.3
 289.7    2.11    2.09   34.91   27.89    21.9   0.156  1463.4
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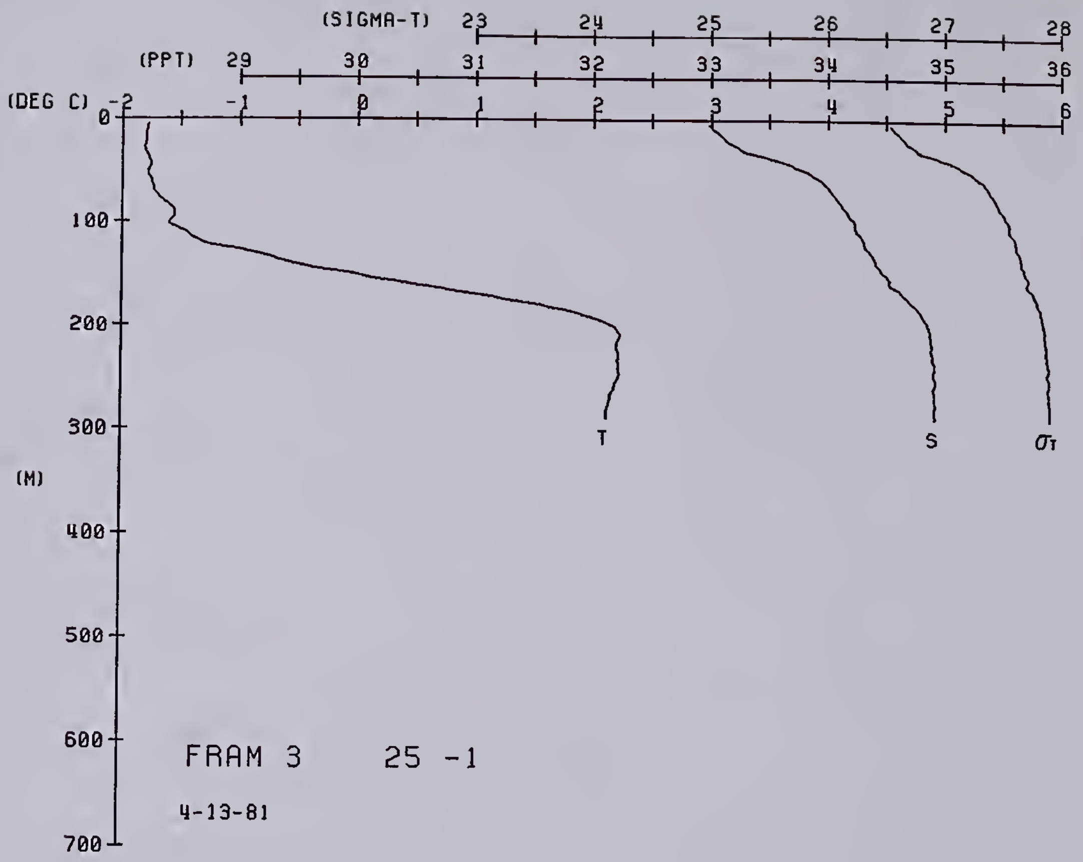
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4-13-81

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                                AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND           DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.78  -1.78  32.94  26.51  151.5  0.000  1438.1           710.0   0.63   0.59  34.93  28.02    9.7  0.221  1463.8
   5.0  -1.78  -1.79  32.94  26.51  151.5  0.008  1438.2           740.0   0.51   0.48  34.94  28.02    8.6  0.224  1463.9
   6.9  -1.78  -1.79  32.94  26.51  151.5  0.011  1438.2           790.0   0.37   0.34  34.93  28.03    8.3  0.228  1464.0
  10.0  -1.76  -1.77  32.95  26.51  151.1  0.015  1438.4           840.0   0.22   0.18  34.92  28.03    8.0  0.232  1464.2
  15.0  -1.78  -1.79  33.03  26.58  144.9  0.023  1438.5           890.0   0.09   0.05  34.93  28.04    6.2  0.236  1464.4
  20.0  -1.78  -1.78  33.07  26.61  141.6  0.030  1438.6           940.0  -0.02  -0.06  34.92  28.05    5.6  0.239  1464.8
  25.0  -1.81  -1.81  33.17  26.69  133.8  0.037  1438.7           990.0  -0.09  -0.13  34.92  28.05    5.2  0.241  1465.3
  30.0  -1.82  -1.82  33.23  26.75  128.6  0.044  1438.9          1040.0  -0.18  -0.23  34.92  28.05    4.4  0.244  1465.7
  35.0  -1.83  -1.83  33.26  26.76  126.8  0.050  1438.9          1090.0  -0.24  -0.29  34.92  28.05    4.1  0.246  1466.3
  40.0  -1.82  -1.82  33.28  26.78  125.3  0.056  1439.1          1140.0  -0.31  -0.36  34.92  28.06    3.5  0.248  1466.8
  45.0  -1.80  -1.81  33.44  26.92  112.4  0.062  1439.5          1190.0  -0.38  -0.44  34.92  28.06    2.9  0.250  1467.3
  50.0  -1.79  -1.79  33.61  27.05   99.6  0.068  1439.9          1240.0  -0.45  -0.51  34.91  28.06    2.7  0.251  1467.9
  55.0  -1.78  -1.79  33.79  27.20   85.7  0.073  1440.2          1290.0  -0.50  -0.56  34.91  28.06    2.2  0.252  1468.5
  60.0  -1.79  -1.80  33.89  27.28   77.7  0.077  1440.4          1340.0  -0.55  -0.61  34.92  28.07    1.6  0.253  1469.1
  65.0  -1.78  -1.78  33.97  27.35   71.6  0.080  1440.6          1390.0  -0.60  -0.66  34.91  28.07    1.5  0.254  1469.7
  70.0  -1.76  -1.76  34.02  27.38   68.4  0.084  1440.9          1440.0  -0.64  -0.71  34.91  28.07    1.0  0.255  1470.4
  75.0  -1.76  -1.77  34.05  27.41   65.3  0.087  1441.0          1463.9  -0.67  -0.74  34.91  28.07    0.9  0.255  1470.6
  80.0  -1.77  -1.77  34.08  27.43   63.6  0.091  1441.1
  85.0  -1.76  -1.76  34.09  27.44   62.2  0.094  1441.3
  90.0  -1.68  -1.68  34.12  27.47   60.1  0.097  1441.8
  95.0  -1.60  -1.61  34.18  27.51   56.2  0.100  1442.3
 100.0  -1.60  -1.60  34.22  27.54   53.2  0.103  1442.4
 110.0  -1.60  -1.60  34.28  27.59   48.3  0.108  1442.7
 120.0  -1.42  -1.42  34.33  27.62   45.2  0.112  1443.8
 130.0  -1.16  -1.16  34.39  27.66   41.5  0.117  1445.2
 140.0  -0.90  -0.90  34.43  27.69   39.4  0.121  1446.7
 150.0  -0.48  -0.49  34.51  27.73   35.1  0.125  1448.9
 160.0  -0.07  -0.08  34.57  27.76   32.3  0.128  1451.0
 170.0   0.36   0.35  34.65  27.80   28.7  0.131  1453.3
 180.0   0.94   0.93  34.73  27.83   26.1  0.134  1456.2
 190.0   1.26   1.25  34.78  27.85   25.0  0.137  1457.8
 200.0   1.63   1.61  34.83  27.87   23.5  0.139  1459.7
 210.0   1.89   1.88  34.87  27.87   23.1  0.141  1461.1
 220.0   2.00   1.99  34.89  27.88   22.6  0.144  1461.7
 230.0   2.08   2.07  34.90  27.88   22.2  0.146  1462.3
 240.0   2.11   2.10  34.91  27.89   21.9  0.148  1462.6
 250.0   2.10   2.09  34.92  27.90   21.3  0.150  1462.7
 260.0   2.10   2.09  34.92  27.90   21.0  0.152  1462.9
 270.0   2.09   2.07  34.92  27.90   20.9  0.155  1463.0
 280.0   2.07   2.05  34.93  27.91   20.2  0.157  1463.1
 290.0   2.05   2.03  34.93  27.91   20.0  0.159  1463.2
 300.0   2.03   2.01  34.93  27.91   19.9  0.161  1463.2
 310.0   1.96   1.94  34.92  27.91   19.7  0.163  1463.1
 320.0   1.92   1.90  34.92  27.92   19.5  0.165  1463.1
 330.0   1.90   1.88  34.92  27.92   19.3  0.167  1463.2
 340.0   1.88   1.86  34.93  27.92   18.9  0.169  1463.3
 350.0   1.86   1.84  34.93  27.93   18.6  0.170  1463.3
 360.0   1.79   1.77  34.93  27.93   18.4  0.172  1463.2
 370.0   1.73   1.71  34.92  27.93   18.2  0.174  1463.1
 380.0   1.71   1.68  34.93  27.94   17.7  0.176  1463.2
 390.0   1.66   1.64  34.93  27.94   17.3  0.178  1463.1
 400.0   1.65   1.63  34.93  27.94   17.0  0.180  1463.3
 410.0   1.60   1.57  34.93  27.94   17.1  0.181  1463.2
 420.0   1.57   1.55  34.93  27.95   16.6  0.183  1463.2
 430.0   1.57   1.55  34.93  27.95   16.6  0.185  1463.4
 440.0   1.52   1.50  34.93  27.95   16.3  0.186  1463.3
 450.0   1.47   1.44  34.93  27.96   15.8  0.188  1463.3
 460.0   1.40   1.38  34.93  27.96   15.7  0.190  1463.1
 470.0   1.34   1.31  34.93  27.96   15.2  0.191  1463.0
 480.0   1.29   1.26  34.92  27.96   14.9  0.193  1463.0
 490.0   1.24   1.21  34.92  27.97   14.9  0.194  1462.9
 500.0   1.18   1.16  34.92  27.97   14.4  0.196  1462.8
 530.0   1.05   1.02  34.92  27.98   13.6  0.200  1462.7
 560.0   1.03   1.01  34.93  27.99   12.7  0.204  1463.2
 590.0   0.95   0.92  34.93  27.99   12.2  0.208  1463.3
 620.0   0.92   0.88  34.93  28.00   11.8  0.211  1463.6
 650.0   0.84   0.81  34.94  28.01   10.7  0.215  1463.8
 680.0   0.71   0.67  34.94  28.01    9.9  0.218  1463.7
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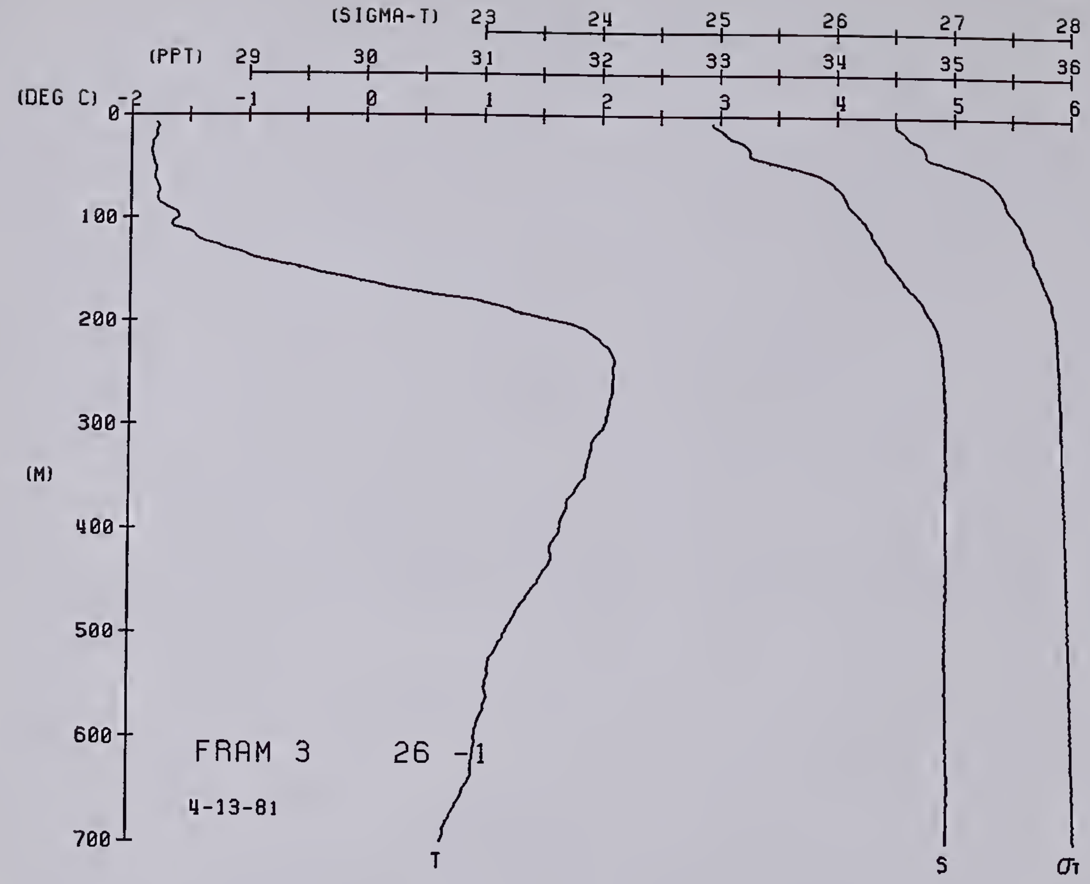

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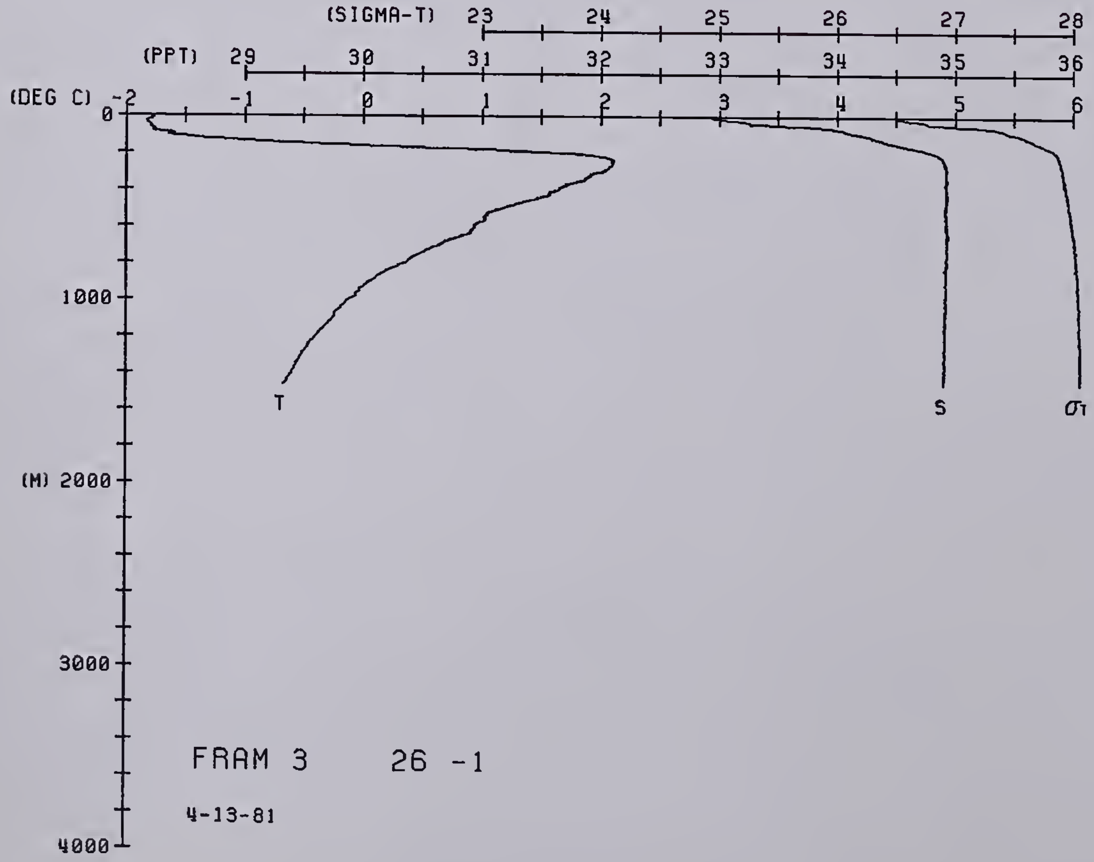
4-13-81



FRAM 3 26 -1

4-13-81

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AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   33.62   27.06    98.9   0.000  1438.8
   4.0   -1.85   -1.85   33.62   27.06    98.9   0.004  1438.8
   5.0   -1.85   -1.85   33.62   27.06    99.0   0.005  1438.9
  10.0   -1.85   -1.85   33.63   27.07    98.1   0.010  1438.9
  15.0   -1.85   -1.85   33.68   27.11    94.5   0.015  1439.1
  20.0   -1.85   -1.85   33.69   27.11    93.9   0.020  1439.2
  25.0   -1.85   -1.85   33.70   27.12    93.0   0.024  1439.3
  30.0   -1.85   -1.85   33.71   27.13    91.9   0.029  1439.4
  35.0   -1.85   -1.85   33.72   27.14    90.9   0.034  1439.5
  40.0   -1.85   -1.85   33.76   27.18    87.8   0.038  1439.6
  45.0   -1.85   -1.85   33.80   27.20    85.1   0.043  1439.7
  50.0   -1.85   -1.85   33.80   27.21    84.8   0.047  1439.8
  55.0   -1.85   -1.85   33.82   27.22    83.4   0.051  1439.9
  60.0   -1.85   -1.85   33.85   27.24    81.3   0.055  1440.1
  65.0   -1.85   -1.85   33.87   27.26    79.5   0.059  1440.2
  70.0   -1.85   -1.85   33.90   27.29    77.1   0.063  1440.3
  75.0   -1.85   -1.85   33.93   27.31    74.9   0.067  1440.4
  80.0   -1.84   -1.84   33.94   27.32    73.9   0.071  1440.6
  85.0   -1.83   -1.83   33.96   27.33    72.6   0.075  1440.7
  90.0   -1.81   -1.81   33.97   27.34    71.6   0.078  1440.9
  95.0   -1.77   -1.77   33.99   27.36    70.3   0.082  1441.2
 100.0   -1.74   -1.74   34.01   27.37    68.7   0.085  1441.5
 110.0   -1.67   -1.68   34.03   27.39    67.2   0.092  1442.0
 120.0   -1.57   -1.57   34.09   27.44    62.8   0.099  1442.7
 130.0   -1.46   -1.46   34.14   27.47    59.6   0.105  1443.5
 140.0   -1.36   -1.37   34.16   27.49    57.9   0.111  1444.1
 150.0   -1.21   -1.22   34.20   27.51    55.3   0.117  1445.1
 160.0   -0.92   -0.92   34.28   27.56    50.7   0.122  1446.7
 170.0   -0.71   -0.72   34.34   27.61    46.7   0.127  1447.9
 180.0   -0.64   -0.65   34.35   27.61    46.2   0.132  1448.4
 190.0   -0.27   -0.27   34.44   27.67    41.5   0.136  1450.4
 200.0   -0.16   -0.17   34.48   27.70    38.7   0.140  1451.1
 210.0   -0.03   -0.03   34.51   27.71    37.5   0.144  1452.0
 220.0    0.11    0.10   34.53   27.72    36.3   0.148  1452.8
 230.0    0.54    0.53   34.57   27.73    36.0   0.151  1455.0
 240.0    0.84    0.83   34.66   27.78    30.9   0.155  1456.6
 250.0    0.74    0.73   34.68   27.80    29.2   0.158  1456.3
 260.0    1.28    1.27   34.74   27.82    27.9   0.161  1459.0
 270.0    1.41    1.40   34.80   27.85    25.0   0.163  1459.9
 280.0    1.40    1.39   34.82   27.87    23.1   0.166  1460.0
 290.0    1.49    1.47   34.83   27.87    23.2   0.168  1460.6
 300.0    1.52    1.51   34.85   27.89    21.8   0.170  1460.9
 310.0    1.68    1.66   34.87   27.89    21.6   0.173  1461.8
 320.0    1.68    1.66   34.89   27.91    20.4   0.175  1462.0
 330.0    1.65    1.64   34.89   27.91    19.6   0.177  1462.1
 340.0    1.64    1.62   34.90   27.92    19.3   0.179  1462.1
 350.0    1.60    1.59   34.91   27.93    18.0   0.181  1462.2
 360.0    1.58    1.56   34.91   27.93    18.0   0.182  1462.2
 370.0    1.54    1.52   34.92   27.94    17.2   0.184  1462.2
 380.0    1.51    1.49   34.92   27.94    17.0   0.186  1462.3
 390.0    1.48    1.46   34.92   27.95    16.4   0.188  1462.3
 400.0    1.45    1.43   34.92   27.95    16.2   0.189  1462.4
 410.0    1.37    1.35   34.92   27.96    15.5   0.191  1462.2
 420.0    1.31    1.29   34.92   27.96    15.0   0.192  1462.1
 430.0    1.26    1.24   34.93   27.97    14.3   0.194  1462.0
 440.0    1.16    1.14   34.92   27.97    13.8   0.195  1461.7
 450.0    1.09    1.07   34.92   27.97    13.7   0.197  1461.6
 460.0    1.05    1.02   34.91   27.97    13.7   0.198  1461.5
 470.0    1.00    0.98   34.91   27.98    13.5   0.199  1461.5
 480.0    0.97    0.95   34.92   27.99    12.5   0.201  1461.6
 490.0    0.94    0.92   34.91   27.98    13.5   0.202  1461.6
 496.0    0.94    0.91   34.90   27.97    14.1   0.203  1461.6
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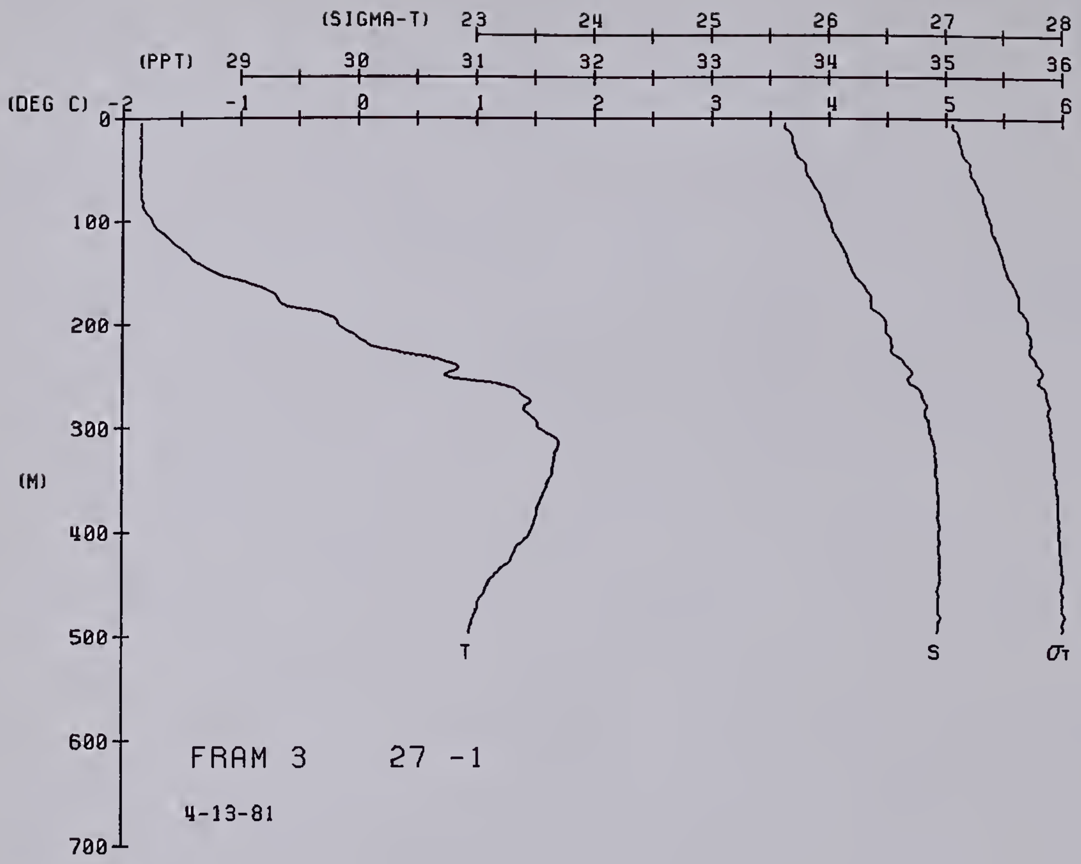
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0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 27 -1
4-13-81

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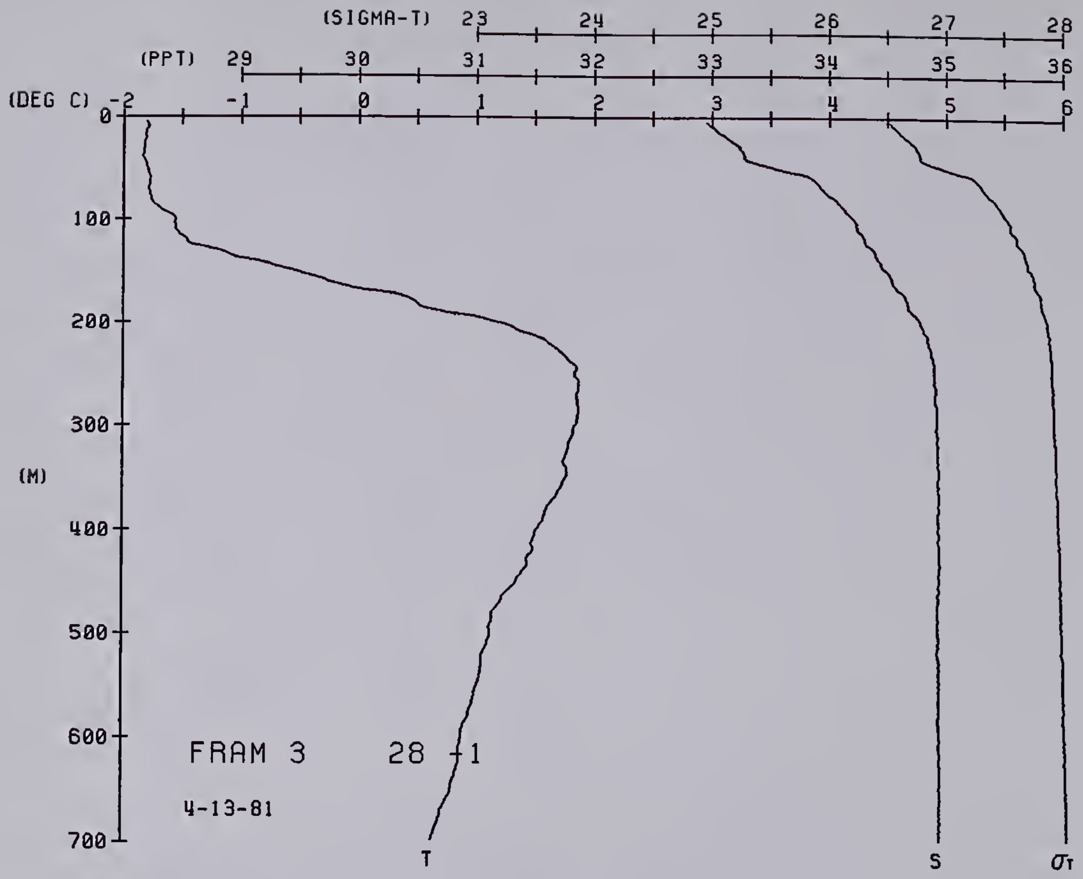
                                        AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND          DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   32.95   26.51   151.1   0.000  1438.0          710.0    0.56    0.53   34.92   28.01    10.4   0.222  1463.6
   4.0   -1.82   -1.82   32.95   26.51   151.0   0.006  1438.0          740.0    0.49    0.45   34.92   28.01     9.9   0.225  1463.7
   5.0   -1.80   -1.80   32.96   26.52   150.0   0.008  1438.1          790.0    0.31    0.27   34.90   28.01     9.7   0.230  1463.7
  10.0   -1.79   -1.79   33.02   26.57   145.6   0.015  1438.4          840.0    0.17    0.14   34.91   28.02     8.4   0.235  1464.0
  15.0   -1.81   -1.81   33.07   26.61   141.7   0.022  1438.4          890.0    0.06    0.02   34.90   28.02     8.1   0.239  1464.3
  20.0   -1.80   -1.81   33.13   26.66   137.0   0.029  1438.6          940.0   -0.05   -0.09   34.90   28.03     7.3   0.243  1464.6
  25.0   -1.82   -1.82   33.20   26.72   131.2   0.036  1438.7          990.0   -0.12   -0.16   34.89   28.02     7.3   0.247  1465.1
  30.0   -1.82   -1.82   33.24   26.75   128.2   0.043  1438.8         1040.0   -0.19   -0.24   34.89   28.03     6.7   0.250  1465.6
  35.0   -1.83   -1.83   33.27   26.77   126.1   0.049  1438.9         1090.0   -0.27   -0.32   34.89   28.03     6.1   0.254  1466.1
  40.0   -1.82   -1.82   33.28   26.78   125.2   0.056  1439.0         1140.0   -0.34   -0.39   34.89   28.03     5.9   0.257  1466.6
  45.0   -1.80   -1.81   33.39   26.87   116.6   0.062  1439.4         1190.0   -0.41   -0.46   34.88   28.03     5.3   0.260  1467.2
  50.0   -1.79   -1.80   33.54   27.00   104.7   0.067  1439.7         1240.0   -0.47   -0.52   34.88   28.04     5.0   0.262  1467.7
  55.0   -1.78   -1.78   33.75   27.17    88.6   0.072  1440.2         1290.0   -0.50   -0.56   34.88   28.03     4.9   0.265  1468.4
  60.0   -1.77   -1.77   33.86   27.25    80.4   0.076  1440.5         1340.0   -0.56   -0.62   34.88   28.04     4.3   0.267  1469.0
  65.0   -1.77   -1.78   33.91   27.30    76.3   0.080  1440.6         1390.0   -0.62   -0.68   34.88   28.04     3.9   0.269  1469.6
  70.0   -1.78   -1.79   33.95   27.33    73.4   0.084  1440.7         1440.0   -0.67   -0.73   34.88   28.04     3.4   0.271  1470.2
  75.0   -1.77   -1.77   33.99   27.36    70.1   0.088  1440.9         1464.9   -0.69   -0.76   34.88   28.04     3.2   0.272  1470.5
  80.0   -1.76   -1.77   34.06   27.41    65.0   0.091  1441.1
  85.0   -1.74   -1.74   34.10   27.45    61.9   0.094  1441.4
  90.0   -1.67   -1.67   34.14   27.47    59.2   0.097  1441.8
  95.0   -1.60   -1.60   34.17   27.50    56.5   0.100  1442.3
 100.0   -1.55   -1.56   34.22   27.54    53.3   0.103  1442.6
 110.0   -1.55   -1.55   34.24   27.56    51.2   0.108  1442.9
 120.0   -1.46   -1.46   34.30   27.60    47.0   0.113  1443.5
 130.0   -1.17   -1.18   34.39   27.66    41.2   0.118  1445.2
 140.0   -0.88   -0.88   34.43   27.69    38.9   0.122  1446.8
 150.0   -0.55   -0.55   34.50   27.73    35.5   0.126  1448.6
 160.0   -0.26   -0.26   34.54   27.74    34.1   0.129  1450.1
 170.0    0.17    0.17   34.62   27.79    29.9   0.132  1452.4
 180.0    0.49    0.48   34.66   27.81    28.6   0.135  1454.0
 190.0    0.75    0.75   34.72   27.83    26.0   0.138  1455.5
 200.0    1.20    1.19   34.78   27.86    24.2   0.141  1457.7
 210.0    1.42    1.41   34.82   27.87    23.0   0.143  1458.9
 220.0    1.62    1.61   34.85   27.88    22.6   0.145  1460.0
 230.0    1.74    1.73   34.87   27.89    21.9   0.148  1460.7
 240.0    1.83    1.81   34.89   27.90    21.0   0.150  1461.3
 250.0    1.83    1.82   34.89   27.90    21.0   0.152  1461.5
 260.0    1.87    1.85   34.90   27.90    20.5   0.154  1461.8
 270.0    1.85    1.84   34.90   27.90    20.8   0.156  1461.9
 280.0    1.86    1.84   34.91   27.91    20.0   0.158  1462.2
 290.0    1.86    1.84   34.91   27.91    19.6   0.160  1462.3
 300.0    1.83    1.81   34.91   27.91    19.7   0.162  1462.3
 310.0    1.81    1.79   34.92   27.92    19.1   0.164  1462.4
 320.0    1.77    1.76   34.92   27.92    18.6   0.166  1462.5
 330.0    1.75    1.73   34.92   27.93    18.6   0.168  1462.5
 340.0    1.76    1.74   34.92   27.93    18.4   0.170  1462.7
 350.0    1.75    1.73   34.92   27.93    18.5   0.172  1462.8
 360.0    1.70    1.68   34.92   27.93    18.3   0.174  1462.8
 370.0    1.65    1.63   34.93   27.94    17.3   0.175  1462.8
 380.0    1.59    1.57   34.92   27.94    17.1   0.177  1462.7
 390.0    1.57    1.54   34.92   27.94    17.3   0.179  1462.7
 400.0    1.51    1.49   34.92   27.94    16.9   0.181  1462.6
 410.0    1.47    1.45   34.92   27.95    16.6   0.182  1462.6
 420.0    1.48    1.45   34.93   27.95    16.0   0.184  1462.8
 430.0    1.43    1.40   34.93   27.96    15.7   0.185  1462.8
 440.0    1.38    1.36   34.92   27.96    15.7   0.187  1462.7
 450.0    1.33    1.30   34.92   27.96    15.1   0.189  1462.6
 460.0    1.25    1.23   34.92   27.96    15.3   0.190  1462.5
 470.0    1.20    1.18   34.92   27.96    14.9   0.192  1462.4
 480.0    1.13    1.11   34.91   27.96    14.9   0.193  1462.2
 490.0    1.12    1.09   34.91   27.97    14.6   0.195  1462.3
 500.0    1.12    1.09   34.91   27.97    14.4   0.196  1462.5
 530.0    1.04    1.01   34.92   27.98    13.4   0.200  1462.7
 560.0    0.98    0.95   34.92   27.98    13.2   0.204  1462.9
 590.0    0.88    0.85   34.92   27.99    12.7   0.208  1463.0
 620.0    0.85    0.82   34.92   27.99    12.1   0.212  1463.3
 650.0    0.78    0.75   34.92   28.00    11.4   0.216  1463.5
 680.0    0.68    0.64   34.92   28.00    10.9   0.219  1463.6
```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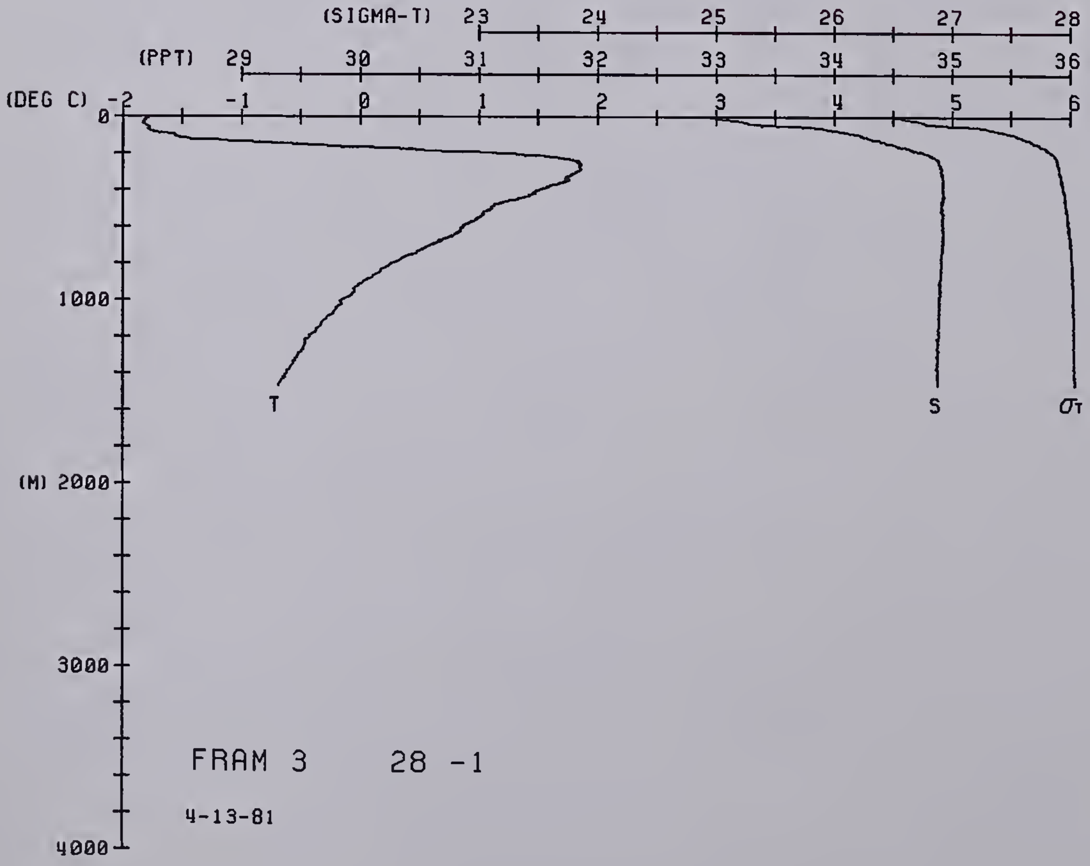
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 28 -1
4-13-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 28 -1
4-13-81

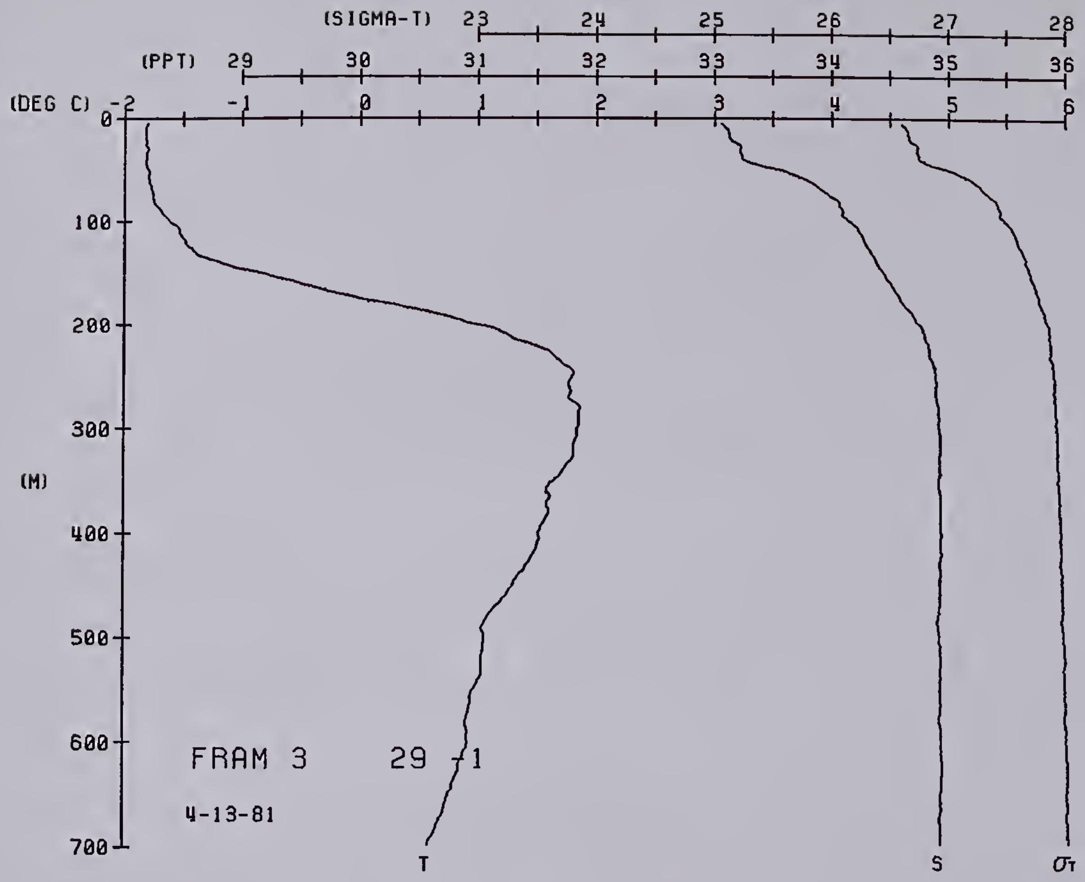
```
FRAM 3  STATION  29(1) CTD  13/APR/1981 1950 GMT  CODE = 5
LAT = 83.0538N LNG =  7.2155E LTER =    30. LGER =    30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0
```

```
 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.80   -1.80   33.05   26.60   143.1   0.000  1438.2
   4.0  -1.80   -1.81   33.05   26.60   143.0   0.006  1438.2
   5.0  -1.81   -1.81   33.06   26.60   142.4   0.007  1438.2
  10.0  -1.82   -1.82   33.11   26.65   138.3   0.014  1438.3
  15.0  -1.82   -1.82   33.12   26.66   137.3   0.021  1438.4
  20.0  -1.82   -1.82   33.13   26.66   136.4   0.028  1438.6
  25.0  -1.82   -1.82   33.21   26.73   130.5   0.035  1438.7
  30.0  -1.79   -1.80   33.22   26.73   129.9   0.042  1438.9
  35.0  -1.81   -1.81   33.23   26.74   128.9   0.048  1439.0
  40.0  -1.81   -1.81   33.25   26.76   127.6   0.055  1439.1
  45.0  -1.81   -1.81   33.37   26.85   118.2   0.061  1439.3
  50.0  -1.79   -1.79   33.55   27.01   103.9   0.066  1439.8
  55.0  -1.79   -1.79   33.69   27.12    93.1   0.071  1440.0
  60.0  -1.79   -1.79   33.79   27.20    85.4   0.076  1440.3
  65.0  -1.78   -1.78   33.87   27.26    79.6   0.080  1440.5
  70.0  -1.76   -1.77   33.93   27.31    75.1   0.084  1440.7
  75.0  -1.76   -1.76   33.99   27.36    70.4   0.088  1440.9
  80.0  -1.75   -1.75   34.06   27.42    64.9   0.091  1441.2
  85.0  -1.72   -1.72   34.07   27.43    64.0   0.094  1441.4
  90.0  -1.69   -1.69   34.10   27.45    62.0   0.097  1441.7
  95.0  -1.65   -1.65   34.10   27.45    61.7   0.101  1442.0
 100.0  -1.61   -1.61   34.16   27.49    57.5   0.104  1442.3
 110.0  -1.53   -1.53   34.24   27.56    51.4   0.109  1443.0
 120.0  -1.48   -1.48   34.29   27.59    47.8   0.114  1443.4
 130.0  -1.39   -1.39   34.34   27.64    43.9   0.119  1444.1
 140.0  -1.17   -1.17   34.39   27.66    41.3   0.123  1445.4
 150.0  -0.82   -0.83   34.45   27.70    38.1   0.127  1447.2
 160.0  -0.49   -0.50   34.50   27.73    35.2   0.131  1449.0
 170.0  -0.15   -0.16   34.57   27.77    32.0   0.134  1450.8
 180.0   0.28    0.27   34.62   27.78    30.6   0.137  1453.0
 190.0   0.70    0.69   34.70   27.82    27.3   0.140  1455.2
 200.0   1.02    1.01   34.77   27.86    24.2   0.143  1456.9
 210.0   1.26    1.25   34.79   27.86    23.8   0.145  1458.2
 220.0   1.50    1.49   34.83   27.87    23.0   0.148  1459.5
 230.0   1.65    1.64   34.84   27.87    23.4   0.150  1460.3
 240.0   1.76    1.75   34.88   27.89    21.5   0.152  1461.0
 250.0   1.79    1.78   34.89   27.90    21.0   0.154  1461.3
 260.0   1.77    1.76   34.89   27.90    20.7   0.157  1461.4
 270.0   1.76    1.75   34.90   27.91    20.0   0.159  1461.5
 280.0   1.86    1.84   34.91   27.91    19.9   0.161  1462.2
 290.0   1.85    1.83   34.92   27.92    19.2   0.163  1462.3
 300.0   1.83    1.81   34.92   27.92    19.2   0.165  1462.4
 310.0   1.82    1.80   34.92   27.92    18.6   0.167  1462.5
 320.0   1.80    1.79   34.93   27.93    18.4   0.168  1462.6
 330.0   1.77    1.75   34.92   27.93    18.4   0.170  1462.6
 340.0   1.71    1.69   34.92   27.93    18.0   0.172  1462.5
 350.0   1.62    1.60   34.91   27.93    18.2   0.174  1462.3
 360.0   1.58    1.56   34.92   27.94    17.2   0.176  1462.3
 370.0   1.58    1.56   34.92   27.94    17.0   0.177  1462.4
 380.0   1.59    1.57   34.92   27.94    17.0   0.179  1462.6
 390.0   1.54    1.52   34.93   27.95    16.5   0.181  1462.6
 400.0   1.51    1.49   34.94   27.96    15.6   0.183  1462.6
 410.0   1.50    1.47   34.93   27.95    15.9   0.184  1462.7
 420.0   1.46    1.43   34.93   27.96    15.6   0.186  1462.7
 430.0   1.40    1.38   34.92   27.95    16.2   0.187  1462.6
 440.0   1.34    1.31   34.92   27.96    15.3   0.189  1462.5
 450.0   1.29    1.27   34.92   27.96    15.3   0.190  1462.5
 460.0   1.23    1.20   34.92   27.97    14.8   0.192  1462.3
 470.0   1.15    1.13   34.92   27.97    14.4   0.193  1462.2
 480.0   1.08    1.05   34.90   27.96    14.9   0.195  1462.0
 490.0   1.03    1.01   34.90   27.97    14.5   0.196  1462.0
 500.0   1.05    1.03   34.91   27.97    13.9   0.198  1462.2
 530.0   1.03    1.00   34.92   27.98    13.5   0.202  1462.6
 560.0   0.94    0.91   34.92   27.98    13.1   0.206  1462.7
 590.0   0.91    0.88   34.93   27.99    12.1   0.210  1463.1
 620.0   0.84    0.81   34.93   28.00    11.2   0.213  1463.3
 650.0   0.74    0.71   34.92   28.00    11.6   0.217  1463.4
 680.0   0.65    0.61   34.92   28.00    10.7   0.220  1463.4
```

```
 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0   0.56    0.52   34.92   28.01    10.2   0.223  1463.5
 740.0   0.47    0.43   34.92   28.01     9.7   0.227  1463.6
 790.0   0.27    0.23   34.91   28.02     8.9   0.231  1463.5
 840.0   0.14    0.10   34.90   28.02     8.3   0.236  1463.8
 890.0   0.03   -0.01   34.90   28.02     8.0   0.240  1464.1
 940.0  -0.07   -0.11   34.90   28.03     7.3   0.244  1464.5
 990.0  -0.14   -0.18   34.89   28.02     7.5   0.247  1465.0
1040.0  -0.22   -0.27   34.89   28.03     6.4   0.251  1465.5
1090.0  -0.28   -0.33   34.89   28.03     6.1   0.254  1466.1
1140.0  -0.34   -0.39   34.89   28.03     5.8   0.257  1466.6
1190.0  -0.40   -0.45   34.88   28.03     5.6   0.260  1467.2
1240.0  -0.45   -0.51   34.88   28.03     5.1   0.263  1467.8
1290.0  -0.52   -0.58   34.88   28.03     4.7   0.265  1468.3
1340.0  -0.57   -0.63   34.88   28.04     4.3   0.267  1468.9
1390.0  -0.61   -0.68   34.87   28.04     4.2   0.270  1469.6
1440.0  -0.67   -0.73   34.87   28.03     4.0   0.272  1470.2
1457.0  -0.69   -0.75   34.87   28.04     3.7   0.272  1470.4
```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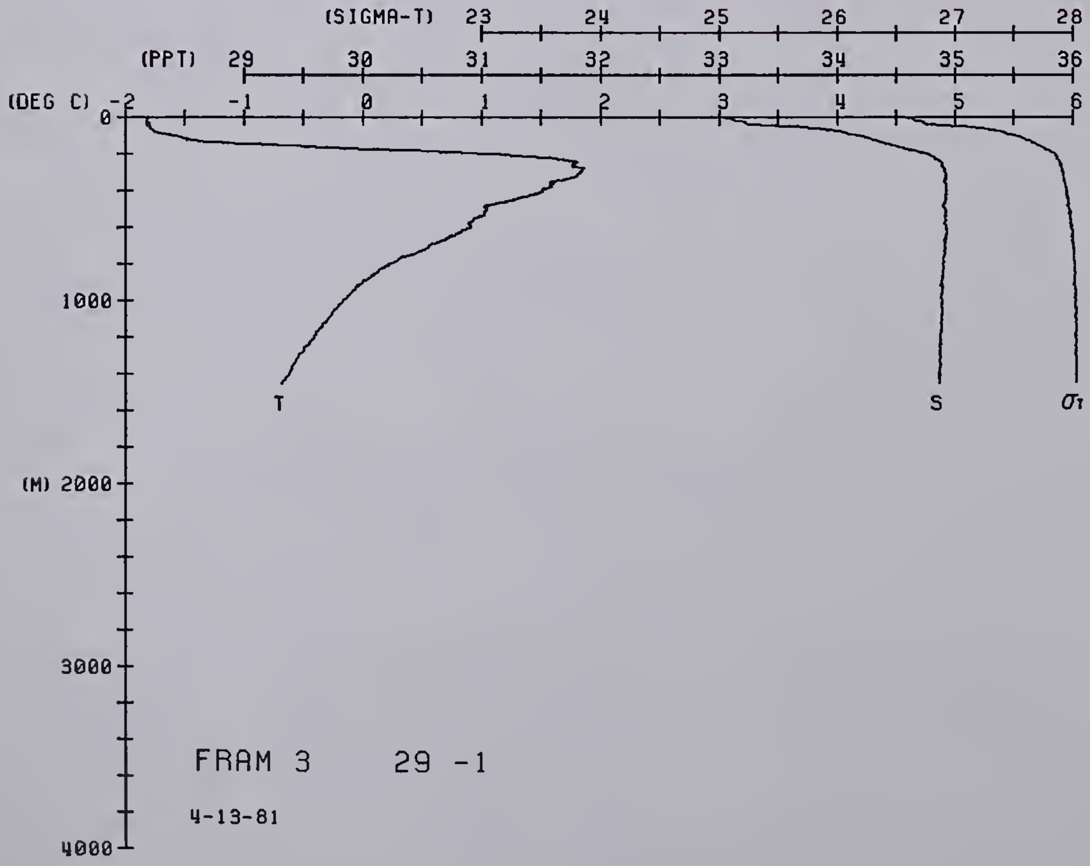
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 29 -1
4-13-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 29 -1
4-13-81

```
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LAT = 83.0700N LNG =  22.3950E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN   SIG T   SPVOL  DYNHT   SOUND

   0.0  -1.87  -1.87  34.01  27.38    68.8  0.000  1439.2
   4.0  -1.87  -1.87  34.01  27.38    68.8  0.003  1439.3
   5.0  -1.87  -1.87  34.01  27.38    68.6  0.003  1439.3
  10.0  -1.87  -1.87  34.02  27.39    68.2  0.007  1439.4
  15.0  -1.87  -1.87  34.02  27.39    68.0  0.010  1439.5
  20.0  -1.87  -1.87  34.04  27.40    66.4  0.014  1439.6
  25.0  -1.87  -1.87  34.07  27.42    64.4  0.017  1439.7
  30.0  -1.86  -1.86  34.10  27.45    62.1  0.020  1439.9
  35.0  -1.86  -1.86  34.10  27.45    61.7  0.023  1440.0
  40.0  -1.85  -1.85  34.13  27.47    59.6  0.026  1440.1
  45.0  -1.84  -1.84  34.17  27.50    56.8  0.029  1440.3
  50.0  -1.85  -1.85  34.18  27.52    55.5  0.032  1440.4
  55.0  -1.84  -1.84  34.18  27.52    55.4  0.035  1440.5
  60.0  -1.82  -1.82  34.20  27.53    53.7  0.038  1440.7
  65.0  -1.80  -1.81  34.22  27.54    52.9  0.041  1440.9
  70.0  -1.80  -1.80  34.24  27.56    51.2  0.043  1441.0
  75.0  -1.78  -1.78  34.25  27.57    50.2  0.046  1441.2
  80.0  -1.77  -1.78  34.28  27.59    48.0  0.048  1441.4
  85.0  -1.76  -1.76  34.29  27.60    47.2  0.051  1441.5
  90.0  -1.75  -1.76  34.31  27.62    45.8  0.053  1441.7
  95.0  -1.75  -1.76  34.32  27.63    44.6  0.055  1441.8
 100.0  -1.75  -1.76  34.33  27.64    44.0  0.057  1441.9
 110.0  -1.73  -1.73  34.34  27.64    43.2  0.062  1442.2
 120.0  -1.60  -1.60  34.35  27.65    42.9  0.066  1442.9
 130.0  -1.55  -1.55  34.37  27.66    41.1  0.070  1443.4
 140.0  -1.12  -1.13  34.39  27.67    41.0  0.075  1445.6
 150.0  -0.76  -0.77  34.45  27.70    38.4  0.079  1447.5
 160.0  -0.41  -0.41  34.50  27.72    36.0  0.082  1449.4
 170.0  -0.01  -0.02  34.54  27.74    34.6  0.086  1451.4
 180.0   0.38   0.37  34.62  27.78    31.3  0.089  1453.5
 190.0   0.60   0.60  34.66  27.80    29.4  0.092  1454.7
 200.0   0.85   0.84  34.71  27.82    27.5  0.095  1456.1
 210.0   1.08   1.07  34.76  27.85    24.9  0.098  1457.3
 220.0   1.33   1.32  34.79  27.85    24.8  0.100  1458.7
 230.0   1.60   1.59  34.83  27.87    23.6  0.103  1460.1
 240.0   1.82   1.81  34.87  27.88    22.1  0.105  1461.3
 250.0   1.86   1.85  34.89  27.89    21.5  0.107  1461.6
 260.0   1.87   1.86  34.90  27.90    20.9  0.110  1461.9
 270.0   1.89   1.87  34.91  27.91    20.2  0.112  1462.1
 280.0   1.89   1.88  34.92  27.92    19.1  0.114  1462.3
 290.0   1.80   1.79  34.91  27.91    19.6  0.116  1462.1
 300.0   1.77   1.75  34.92  27.92    18.6  0.118  1462.1
 310.0   1.79   1.77  34.91  27.92    19.2  0.119  1462.3
 320.0   1.83   1.81  34.93  27.93    18.5  0.121  1462.7
 330.0   1.82   1.80  34.94  27.94    17.7  0.123  1462.8
 340.0   1.81   1.79  34.93  27.93    18.3  0.125  1463.0
 350.0   1.78   1.76  34.93  27.93    17.9  0.127  1463.0
 360.0   1.75   1.73  34.95  27.95    16.6  0.129  1463.1
 370.0   1.71   1.69  34.94  27.95    16.4  0.130  1463.1
 380.0   1.69   1.67  34.95  27.95    16.0  0.132  1463.1
 390.0   1.65   1.63  34.94  27.95    16.0  0.133  1463.1
 400.0   1.60   1.57  34.95  27.96    15.4  0.135  1463.0
 410.0   1.55   1.52  34.95  27.96    15.1  0.137  1463.0
 420.0   1.51   1.49  34.94  27.96    15.2  0.138  1463.0
 430.0   1.48   1.46  34.94  27.97    14.9  0.140  1463.0
 440.0   1.44   1.42  34.95  27.98    13.9  0.141  1463.0
 450.0   1.40   1.38  34.95  27.98    14.0  0.143  1463.0
 460.0   1.38   1.35  34.95  27.98    13.7  0.144  1463.1
 470.0   1.36   1.33  34.95  27.98    13.5  0.145  1463.1
 480.0   1.33   1.31  34.96  27.99    12.9  0.147  1463.2
 490.0   1.30   1.27  34.95  27.98    13.1  0.148  1463.2
 498.0   1.27   1.24  34.94  27.98    13.5  0.149  1463.2
```

```
 FRAM 3  STATION  31(1) CTD  13/APR/1981 2334 GMT  CODE = 5
LAT = 83.0917N LNG =  19.9483E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP  SALIN   SIG T  SPVOL  DYNHT   SOUND

   0.0  -1.90  -1.90  33.94  27.33   73.9  0.000  1438.9
   4.0  -1.90  -1.91  33.94  27.33   73.9  0.003  1439.0
   5.0  -1.90  -1.91  33.95  27.33   73.4  0.004  1439.0
  10.0  -1.90  -1.90  33.98  27.35   71.2  0.007  1439.2
  15.0  -1.90  -1.90  34.02  27.38   68.2  0.011  1439.3
  20.0  -1.90  -1.90  34.05  27.41   65.9  0.014  1439.4
  25.0  -1.90  -1.91  34.11  27.46   60.9  0.018  1439.6
  30.0  -1.91  -1.91  34.18  27.52   55.4  0.020  1439.8
  35.0  -1.92  -1.92  34.24  27.57   50.7  0.023  1439.9
  40.0  -1.92  -1.92  34.26  27.58   49.2  0.026  1440.0
  45.0  -1.93  -1.93  34.29  27.60   47.2  0.028  1440.1
  50.0  -1.93  -1.93  34.30  27.61   46.2  0.030  1440.2
  55.0  -1.93  -1.94  34.32  27.63   44.9  0.033  1440.2
  60.0  -1.93  -1.94  34.32  27.63   44.7  0.035  1440.3
  65.0  -1.93  -1.94  34.32  27.63   44.5  0.037  1440.4
  70.0  -1.94  -1.94  34.34  27.65   43.1  0.039  1440.5
  75.0  -1.94  -1.94  34.35  27.66   42.0  0.042  1440.6
  80.0  -1.93  -1.94  34.39  27.69   39.1  0.044  1440.8
  85.0  -1.92  -1.92  34.42  27.71   36.7  0.046  1440.9
  90.0  -1.91  -1.92  34.43  27.72   35.9  0.047  1441.1
  95.0  -1.89  -1.89  34.43  27.72   36.0  0.049  1441.3
 100.0  -1.84  -1.85  34.43  27.72   36.1  0.051  1441.6
 110.0  -1.79  -1.79  34.41  27.71   37.3  0.055  1442.0
 120.0  -1.76  -1.76  34.40  27.69   38.6  0.059  1442.3
 130.0  -1.74  -1.74  34.40  27.70   38.1  0.063  1442.5
 140.0  -1.68  -1.68  34.40  27.69   38.4  0.066  1443.0
 150.0  -1.38  -1.38  34.42  27.69   38.3  0.070  1444.6
 160.0  -0.81  -0.82  34.45  27.70   38.1  0.074  1447.4
 170.0  -0.40  -0.41  34.53  27.74   33.9  0.078  1449.6
 180.0   0.03   0.02  34.59  27.77   31.3  0.081  1451.9
 190.0   0.28   0.28  34.65  27.81   28.0  0.084  1453.3
 200.0   0.61   0.60  34.67  27.80   29.0  0.087  1454.9
 210.0   0.92   0.91  34.76  27.85   24.2  0.090  1456.6
 220.0   1.21   1.20  34.78  27.86   24.1  0.092  1458.1
 230.0   1.55   1.54  34.84  27.88   22.5  0.094  1459.9
 240.0   1.74   1.72  34.89  27.90   20.1  0.097  1460.9
 250.0   1.77   1.76  34.91  27.92   18.8  0.099  1461.3
 260.0   1.81   1.80  34.91  27.92   19.0  0.100  1461.6
 270.0   1.85   1.83  34.93  27.93   18.2  0.102  1462.0
 280.0   1.85   1.83  34.94  27.94   17.3  0.104  1462.1
 290.0   1.87   1.85  34.95  27.94   16.7  0.106  1462.4
 300.0   1.89   1.87  34.97  27.95   16.0  0.108  1462.7
 310.0   1.81   1.80  34.96  27.95   16.0  0.109  1462.5
 320.0   1.83   1.82  34.96  27.95   15.8  0.111  1462.8
 330.0   1.82   1.80  34.96  27.96   15.8  0.112  1462.9
 340.0   1.78   1.76  34.97  27.97   14.8  0.114  1462.9
 350.0   1.77   1.76  34.97  27.97   14.7  0.115  1463.0
 360.0   1.75   1.73  34.97  27.97   14.6  0.117  1463.1
 370.0   1.75   1.73  34.97  27.97   14.8  0.118  1463.3
 380.0   1.69   1.67  34.98  27.98   13.5  0.120  1463.2
 390.0   1.67   1.65  34.97  27.98   14.0  0.121  1463.3
 400.0   1.65   1.63  34.98  27.98   13.6  0.123  1463.3
 410.0   1.62   1.60  34.98  27.99   13.1  0.124  1463.4
 420.0   1.57   1.55  34.99  27.99   12.3  0.125  1463.3
 430.0   1.52   1.50  34.99  28.00   12.1  0.126  1463.3
 440.0   1.48   1.46  34.98  27.99   12.5  0.128  1463.2
 450.0   1.46   1.43  34.98  28.00   12.1  0.129  1463.3
 460.0   1.43   1.41  34.97  27.99   12.2  0.130  1463.3
 470.0   1.40   1.38  34.98  28.00   12.0  0.131  1463.4
 480.0   1.37   1.34  34.98  28.00   11.7  0.133  1463.4
 490.0   1.32   1.29  34.98  28.01   11.1  0.134  1463.3
 498.0   1.28   1.25  34.98  28.01   11.1  0.135  1463.3
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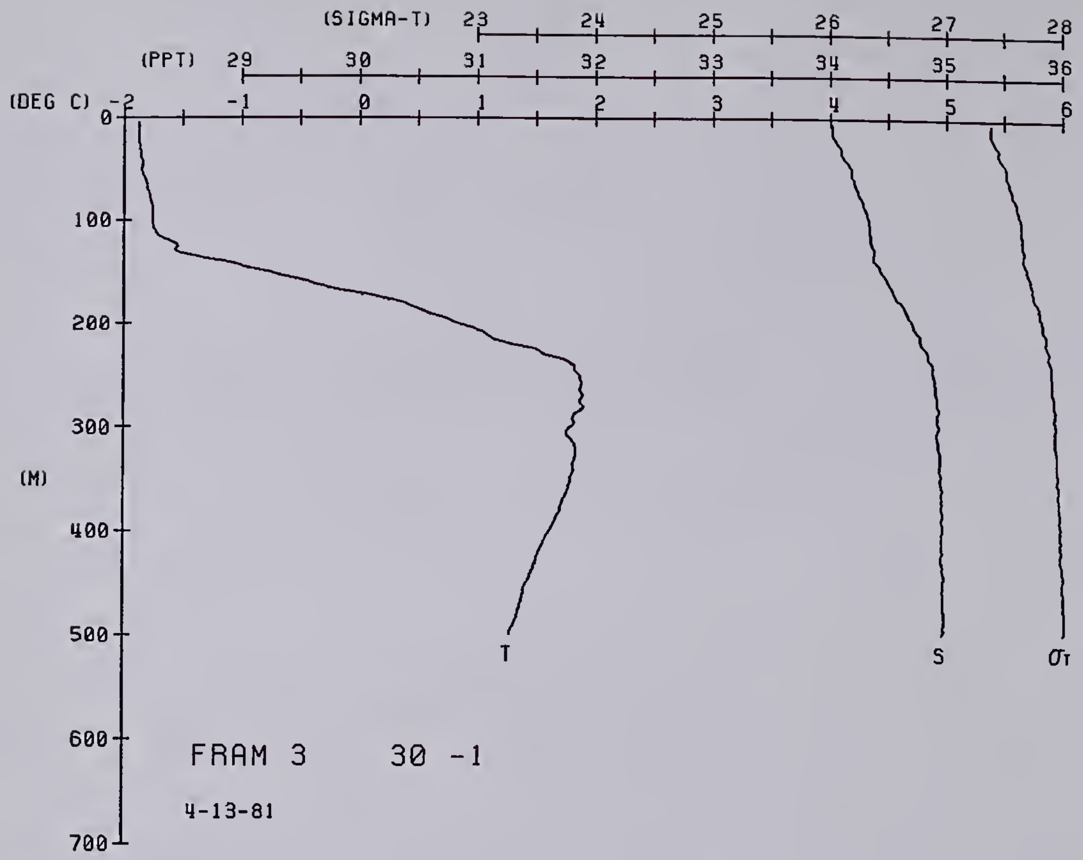
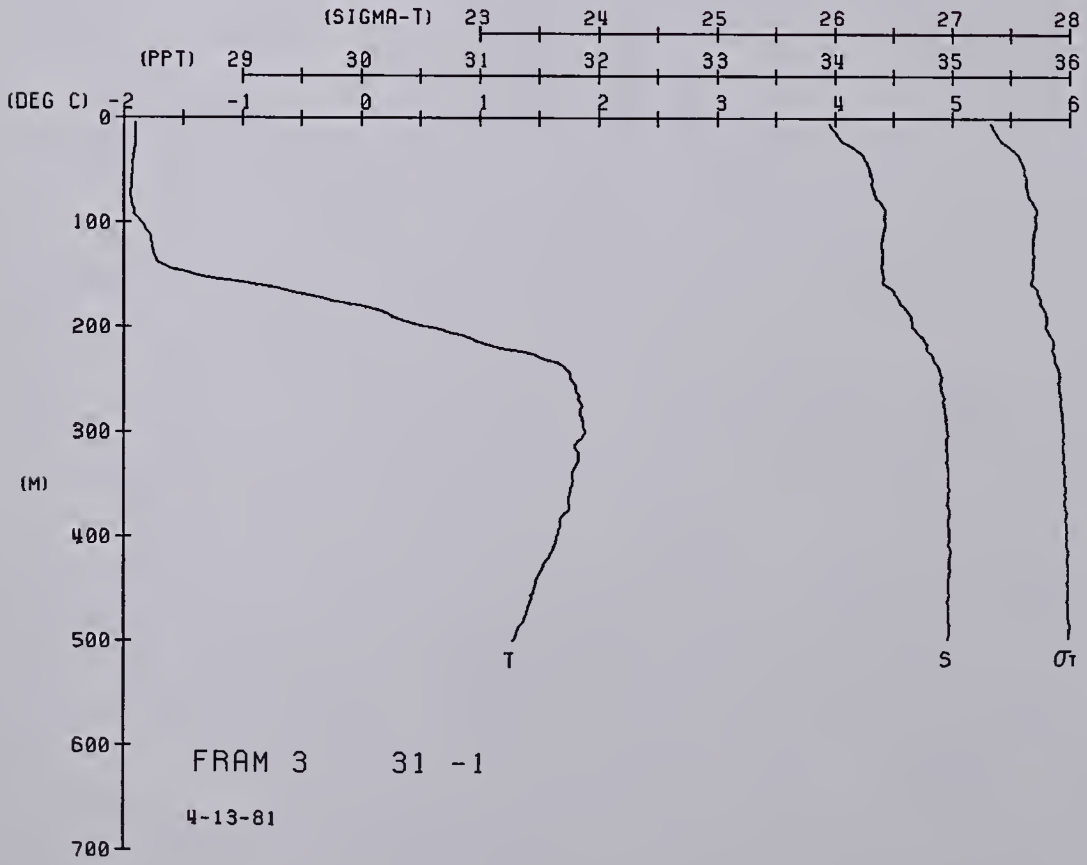


FRAM 3 30 -1

4-13-81



FRAM 3 31 -1

4-13-81

```
FRAM 3  STATION  32(1) CTD  14/APR/1981   811 GMT  CODE = 5
LAT = 83.0398N LNG =   7.1187E LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.76  -1.76  32.99  26.55  147.5  0.000  1438.3
   4.0  -1.76  -1.77  32.99  26.55  147.5  0.006  1438.3
   5.0  -1.77  -1.77  33.01  26.56  146.5  0.007  1438.3
  10.0  -1.78  -1.79  33.05  26.59  143.1  0.015  1438.4
  15.0  -1.79  -1.79  33.08  26.62  140.5  0.022  1438.5
  20.0  -1.79  -1.80  33.14  26.67  136.1  0.029  1438.7
  25.0  -1.81  -1.81  33.20  26.72  131.2  0.036  1438.8
  30.0  -1.82  -1.82  33.23  26.74  128.9  0.042  1438.9
  35.0  -1.82  -1.82  33.26  26.76  127.0  0.049  1439.0
  40.0  -1.80  -1.81  33.36  26.85  119.0  0.055  1439.2
  45.0  -1.81  -1.81  33.51  26.97  107.4  0.061  1439.5
  50.0  -1.83  -1.83  33.57  27.02  102.4  0.066  1439.6
  55.0  -1.84  -1.84  33.65  27.08   96.5  0.071  1439.8
  60.0  -1.84  -1.84  33.73  27.15   90.3  0.076  1440.0
  65.0  -1.84  -1.84  33.79  27.20   85.2  0.080  1440.1
  70.0  -1.83  -1.83  33.84  27.24   81.9  0.084  1440.3
  75.0  -1.82  -1.82  33.88  27.27   78.6  0.088  1440.5
  80.0  -1.81  -1.81  33.95  27.33   73.3  0.092  1440.7
  85.0  -1.79  -1.80  33.99  27.36   70.0  0.096  1440.9
  90.0  -1.79  -1.79  34.02  27.39   67.5  0.099  1441.1
  95.0  -1.74  -1.75  34.07  27.42   63.9  0.103  1441.5
 100.0  -1.68  -1.68  34.12  27.46   60.2  0.106  1441.9
 110.0  -1.58  -1.59  34.18  27.51   55.8  0.112  1442.6
 120.0  -1.47  -1.47  34.27  27.57   49.7  0.117  1443.4
 130.0  -1.23  -1.23  34.33  27.61   45.9  0.122  1444.8
 140.0  -1.04  -1.04  34.37  27.64   43.5  0.126  1445.9
 150.0  -0.70  -0.70  34.43  27.68   39.8  0.131  1447.8
 160.0  -0.29  -0.30  34.50  27.71   36.9  0.134  1449.9
 170.0   0.05   0.04  34.55  27.74   34.5  0.138  1451.7
 180.0   0.63   0.62  34.66  27.79   29.9  0.141  1454.7
 190.0   1.10   1.09  34.74  27.83   27.0  0.144  1457.0
 200.0   1.61   1.60  34.82  27.86   24.5  0.147  1459.6
 210.0   1.61   1.60  34.83  27.86   23.8  0.149  1459.8
 220.0   1.73   1.72  34.86  27.88   22.2  0.152  1460.5
 230.0   2.06   2.05  34.91  27.90   21.2  0.154  1462.2
 240.0   2.16   2.15  34.93  27.91   20.2  0.156  1462.8
 250.0   2.14   2.13  34.93  27.91   20.2  0.158  1462.9
 260.0   2.12   2.11  34.94  27.91   19.9  0.160  1463.0
 270.0   2.13   2.11  34.95  27.92   19.3  0.162  1463.2
 280.0   2.11   2.09  34.95  27.92   19.1  0.164  1463.3
 290.0   2.06   2.05  34.95  27.93   18.6  0.166  1463.3
 300.0   1.99   1.97  34.94  27.93   18.5  0.168  1463.1
 310.0   1.78   1.77  34.93  27.93   17.7  0.170  1462.3
 320.0   1.78   1.76  34.93  27.94   17.5  0.171  1462.5
 330.0   1.74   1.72  34.93  27.94   17.4  0.173  1462.5
 340.0   1.69   1.67  34.93  27.94   17.1  0.175  1462.4
 350.0   1.65   1.63  34.94  27.95   16.5  0.177  1462.4
 360.0   1.59   1.57  34.93  27.95   16.4  0.178  1462.3
 370.0   1.48   1.46  34.92  27.95   16.2  0.180  1462.0
 380.0   1.53   1.51  34.94  27.96   15.5  0.181  1462.4
 390.0   1.48   1.45  34.94  27.96   15.3  0.183  1462.3
 400.0   1.40   1.38  34.93  27.96   15.0  0.185  1462.2
 410.0   1.33   1.31  34.93  27.96   14.9  0.186  1462.0
 420.0   1.29   1.27  34.93  27.97   14.4  0.188  1462.0
 430.0   1.23   1.21  34.92  27.97   14.5  0.189  1461.9
 440.0   1.13   1.11  34.92  27.97   14.2  0.190  1461.6
 450.0   1.11   1.09  34.92  27.97   14.0  0.192  1461.7
 460.0   1.07   1.04  34.92  27.97   13.8  0.193  1461.6
 470.0   1.03   1.01  34.92  27.98   13.3  0.195  1461.6
 480.0   1.01   0.99  34.92  27.98   13.3  0.196  1461.7
 490.0   0.97   0.95  34.92  27.98   12.9  0.197  1461.7
 500.0   0.96   0.94  34.92  27.98   13.1  0.199  1461.9
 530.0   0.89   0.87  34.92  27.99   12.5  0.203  1462.0
 560.0   0.85   0.82  34.92  27.99   12.1  0.206  1462.3
 590.0   0.81   0.78  34.92  28.00   11.6  0.210  1462.7
 620.0   0.72   0.69  34.92  28.00   11.1  0.213  1462.7
 650.0   0.60   0.57  34.92  28.01   10.5  0.217  1462.7
 680.0   0.51   0.48  34.92  28.01    9.9  0.220  1462.8

 DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

 710.0   0.41   0.37  34.91  28.01    9.6  0.223  1462.8
 740.0   0.33   0.29  34.91  28.02    9.2  0.226  1463.0
 790.0   0.22   0.18  34.91  28.02    8.4  0.230  1463.3
 840.0   0.10   0.06  34.90  28.02    7.9  0.234  1463.6
 890.0  -0.02  -0.06  34.90  28.03    7.3  0.238  1463.9
 940.0  -0.08  -0.12  34.88  28.02    8.1  0.242  1464.4
 990.0  -0.16  -0.20  34.90  28.03    6.4  0.246  1464.9
1040.0  -0.22  -0.27  34.89  28.03    6.5  0.249  1465.5
1090.0  -0.31  -0.35  34.89  28.03    5.9  0.252  1466.0
1140.0  -0.37  -0.42  34.89  28.03    5.6  0.255  1466.5
1190.0  -0.41  -0.46  34.89  28.03    5.3  0.258  1467.2
1240.0  -0.46  -0.51  34.88  28.03    5.0  0.260  1467.8
1290.0  -0.50  -0.56  34.88  28.04    4.7  0.263  1468.4
1340.0  -0.53  -0.59  34.88  28.03    4.7  0.265  1469.1
1390.0  -0.57  -0.63  34.88  28.04    4.3  0.267  1469.8
1440.0  -0.61  -0.67  34.87  28.03    4.5  0.270  1470.5
1459.0  -0.62  -0.69  34.87  28.03    4.3  0.270  1470.7
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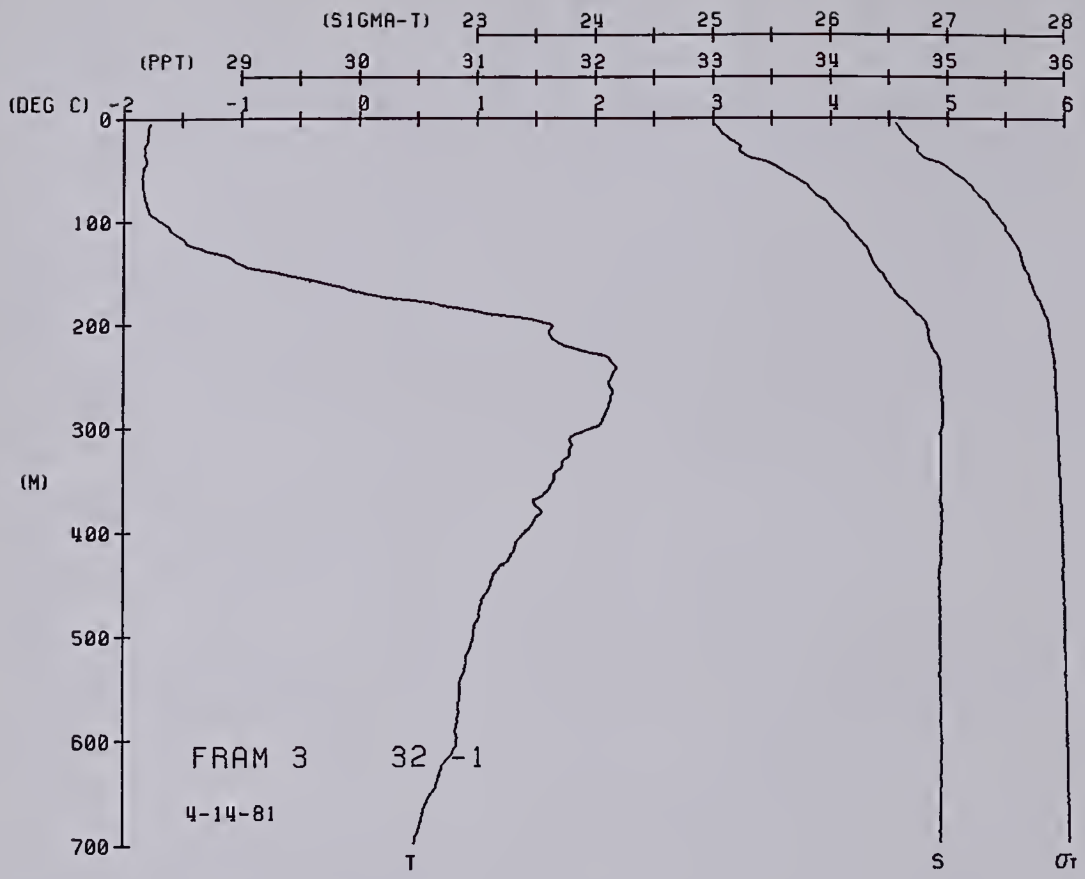
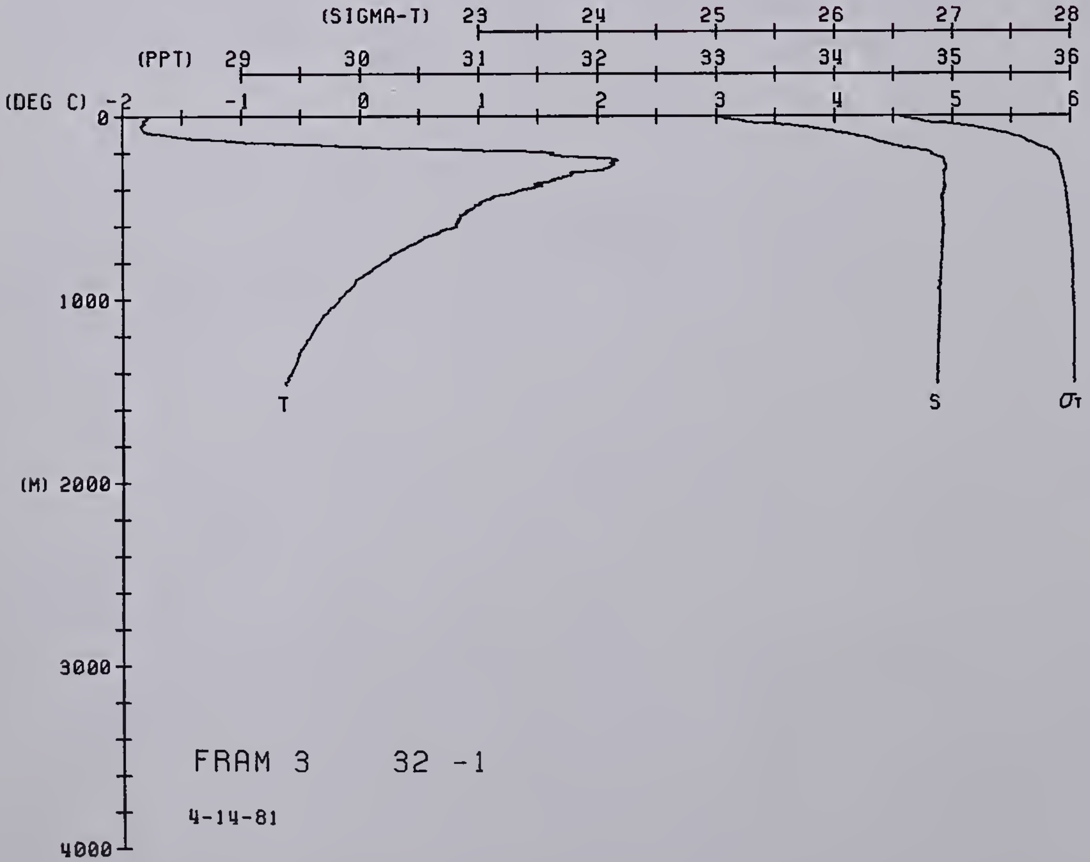


FRAM 3 32 -1

4-14-81



FRAM 3 32 -1

4-14-81

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 FRAM 3  STATION  33(1) CTD  14/APR/1981  943 GMT  CODE = 5
LAT = 83.0363N LNG =   7.1140E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.78   -1.78   33.03   26.58   145.0   0.000  1438.2
   4.0   -1.78   -1.79   33.03   26.58   144.9   0.006  1438.3
   5.0   -1.80   -1.80   33.04   26.59   143.6   0.007  1438.3
  10.0   -1.81   -1.81   33.08   26.62   140.7   0.015  1438.3
  15.0   -1.82   -1.82   33.11   26.64   138.5   0.022  1438.4
  20.0   -1.82   -1.82   33.16   26.69   134.2   0.028  1438.6
  25.0   -1.83   -1.83   33.23   26.74   129.2   0.035  1438.7
  30.0   -1.83   -1.83   33.25   26.76   127.4   0.042  1438.8
  35.0   -1.83   -1.83   33.25   26.76   127.0   0.048  1438.9
  40.0   -1.83   -1.83   33.27   26.78   125.5   0.054  1439.0
  45.0   -1.82   -1.82   33.40   26.88   115.9   0.061  1439.3
  50.0   -1.84   -1.84   33.59   27.03   101.1   0.066  1439.6
  55.0   -1.84   -1.84   33.67   27.10    95.0   0.071  1439.8
  60.0   -1.84   -1.84   33.74   27.16    89.2   0.076  1440.0
  65.0   -1.84   -1.84   33.79   27.20    85.8   0.080  1440.1
  70.0   -1.84   -1.84   33.82   27.22    83.0   0.084  1440.3
  75.0   -1.83   -1.83   33.87   27.26    79.1   0.088  1440.4
  80.0   -1.81   -1.81   33.92   27.30    75.5   0.092  1440.7
  85.0   -1.80   -1.80   33.96   27.33    72.7   0.096  1440.9
  90.0   -1.79   -1.79   34.00   27.37    69.3   0.100  1441.1
  95.0   -1.75   -1.75   34.05   27.40    65.8   0.103  1441.4
 100.0   -1.72   -1.73   34.08   27.43    63.1   0.106  1441.6
 110.0   -1.61   -1.61   34.16   27.50    57.2   0.112  1442.5
 120.0   -1.52   -1.52   34.23   27.55    52.0   0.118  1443.2
 130.0   -1.31   -1.31   34.32   27.61    46.0   0.123  1444.4
 140.0   -0.89   -0.89   34.40   27.66    41.6   0.127  1446.7
 150.0   -0.51   -0.52   34.47   27.70    38.0   0.131  1448.7
 160.0   -0.22   -0.22   34.51   27.72    35.9   0.135  1450.3
 170.0    0.11    0.10   34.57   27.75    33.4   0.139  1452.0
 180.0    0.49    0.48   34.64   27.79    30.4   0.142  1454.0
 190.0    1.05    1.04   34.74   27.83    26.6   0.145  1456.8
 200.0    1.47    1.46   34.80   27.85    24.9   0.147  1459.0
 210.0    1.59    1.58   34.82   27.86    23.9   0.150  1459.7
 220.0    1.68    1.67   34.85   27.88    22.7   0.152  1460.3
 230.0    2.03    2.02   34.91   27.89    21.3   0.154  1462.1
 240.0    2.05    2.03   34.91   27.90    20.9   0.156  1462.3
 250.0    2.16    2.14   34.94   27.91    20.0   0.159  1463.0
 260.0    2.20    2.18   34.95   27.92    19.5   0.161  1463.4
 270.0    2.11    2.09   34.94   27.91    19.6   0.163  1463.1
 280.0    2.09    2.07   34.94   27.92    19.2   0.164  1463.2
 290.0    2.04    2.02   34.95   27.93    18.3   0.166  1463.1
 300.0    2.04    2.03   34.95   27.93    18.2   0.168  1463.4
 310.0    1.99    1.97   34.95   27.93    17.9   0.170  1463.3
 320.0    1.97    1.95   34.95   27.94    17.7   0.172  1463.4
 330.0    1.76    1.75   34.94   27.94    17.2   0.174  1462.6
 340.0    1.72    1.70   34.94   27.94    16.9   0.175  1462.6
 350.0    1.68    1.66   34.94   27.94    16.8   0.177  1462.6
 360.0    1.62    1.60   34.94   27.95    16.2   0.179  1462.5
 370.0    1.50    1.48   34.93   27.95    16.0   0.180  1462.1
 380.0    1.50    1.48   34.93   27.96    15.6   0.182  1462.2
 390.0    1.46    1.44   34.93   27.96    15.4   0.184  1462.3
 400.0    1.45    1.43   34.93   27.96    15.2   0.185  1462.4
 410.0    1.39    1.37   34.93   27.96    15.1   0.187  1462.2
 420.0    1.33    1.31   34.93   27.96    14.9   0.188  1462.2
 430.0    1.26    1.24   34.92   27.97    14.6   0.190  1462.0
 440.0    1.17    1.14   34.92   27.97    14.5   0.191  1461.8
 450.0    1.07    1.05   34.92   27.97    13.8   0.193  1461.5
 460.0    1.03    1.00   34.91   27.97    13.8   0.194  1461.5
 470.0    1.01    0.99   34.92   27.98    13.3   0.195  1461.6
 480.0    0.99    0.97   34.92   27.98    12.9   0.197  1461.6
 490.0    0.98    0.96   34.92   27.98    13.0   0.198  1461.8
 492.1    0.98    0.95   34.92   27.98    12.9   0.198  1461.8
```

```
 FRAM 3  STATION  34(1) CTD  14/APR/1981  946 GMT  CODE = 5
LAT = 83.0363N LNG =   7.1140E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.80   -1.80   33.01   26.56   146.3   0.000  1438.1
   4.0   -1.80   -1.81   33.01   26.56   146.3   0.006  1438.2
   5.0   -1.80   -1.81   33.02   26.57   145.5   0.007  1438.2
  10.0   -1.80   -1.81   33.05   26.59   143.2   0.015  1438.3
  15.0   -1.81   -1.81   33.09   26.63   139.7   0.022  1438.4
  20.0   -1.82   -1.82   33.17   26.69   133.6   0.029  1438.6
  25.0   -1.82   -1.82   33.21   26.72   130.9   0.035  1438.7
  30.0   -1.82   -1.82   33.22   26.74   129.4   0.042  1438.8
  35.0   -1.82   -1.82   33.23   26.74   129.1   0.049  1438.9
  40.0   -1.81   -1.81   33.28   26.78   125.4   0.055  1439.1
  45.0   -1.81   -1.81   33.47   26.93   110.7   0.061  1439.4
  50.0   -1.83   -1.83   33.60   27.04   100.7   0.066  1439.7
  55.0   -1.83   -1.83   33.66   27.09    95.9   0.071  1439.8
  60.0   -1.83   -1.83   33.72   27.14    91.2   0.076  1440.0
  65.0   -1.83   -1.83   33.76   27.17    87.9   0.081  1440.1
  70.0   -1.82   -1.82   33.80   27.21    84.7   0.085  1440.3
  75.0   -1.80   -1.80   33.84   27.24    81.6   0.089  1440.5
  80.0   -1.79   -1.79   33.90   27.29    77.0   0.093  1440.7
  85.0   -1.78   -1.78   33.93   27.31    74.5   0.097  1440.9
  90.0   -1.75   -1.75   33.97   27.34    72.0   0.101  1441.2
  95.0   -1.72   -1.73   34.02   27.38    67.9   0.104  1441.5
 100.0   -1.69   -1.69   34.06   27.42    64.6   0.107  1441.8
 110.0   -1.58   -1.58   34.14   27.48    59.0   0.114  1442.6
 120.0   -1.48   -1.48   34.20   27.52    54.5   0.119  1443.3
 130.0   -1.17   -1.17   34.26   27.56    51.2   0.125  1445.0
 140.0   -0.79   -0.79   34.34   27.61    46.5   0.130  1447.1
 150.0   -0.42   -0.43   34.42   27.66    42.2   0.134  1449.0
 160.0   -0.14   -0.15   34.47   27.68    39.9   0.138  1450.6
 170.0    0.18    0.18   34.51   27.70    38.3   0.142  1452.3
 180.0    0.61    0.60   34.58   27.73    35.7   0.146  1454.4
 190.0    1.16    1.15   34.68   27.78    31.8   0.150  1457.2
 200.0    1.53    1.52   34.77   27.82    27.6   0.153  1459.2
 210.0    1.60    1.59   34.79   27.84    26.5   0.155  1459.7
 220.0    1.74    1.73   34.81   27.84    26.3   0.158  1460.5
 230.0    2.08    2.06   34.88   27.87    23.9   0.160  1462.2
 240.0    2.05    2.04   34.89   27.88    22.5   0.163  1462.3
 250.0    2.18    2.17   34.90   27.88    23.2   0.165  1463.1
 260.0    2.21    2.20   34.92   27.89    22.0   0.167  1463.4
 270.0    2.11    2.09   34.92   27.90    21.3   0.170  1463.1
 280.0    2.08    2.07   34.92   27.90    21.0   0.172  1463.2
 290.0    2.04    2.03   34.92   27.91    20.3   0.174  1463.1
 300.0    2.04    2.02   34.93   27.92    19.6   0.176  1463.3
 310.0    1.99    1.97   34.93   27.91    19.9   0.178  1463.2
 320.0    1.95    1.94   34.94   27.92    18.8   0.180  1463.3
 330.0    1.75    1.73   34.92   27.92    18.7   0.182  1462.5
 340.0    1.73    1.72   34.91   27.92    18.8   0.184  1462.6
 350.0    1.67    1.65   34.92   27.93    17.9   0.185  1462.5
 360.0    1.62    1.60   34.91   27.93    17.9   0.187  1462.4
 370.0    1.49    1.47   34.92   27.95    16.2   0.189  1462.0
 380.0    1.50    1.48   34.91   27.94    17.1   0.191  1462.2
 390.0    1.46    1.44   34.91   27.94    17.0   0.192  1462.2
 400.0    1.45    1.43   34.91   27.94    17.2   0.194  1462.3
 410.0    1.38    1.36   34.92   27.96    15.6   0.196  1462.2
 420.0    1.32    1.30   34.92   27.96    15.3   0.197  1462.1
 430.0    1.25    1.23   34.91   27.96    15.3   0.199  1462.0
 440.0    1.15    1.12   34.92   27.97    14.4   0.200  1461.7
 450.0    1.07    1.05   34.90   27.96    14.8   0.202  1461.5
 460.0    1.02    1.00   34.90   27.96    14.8   0.203  1461.4
 470.0    1.01    0.99   34.90   27.96    15.0   0.205  1461.5
 480.0    1.00    0.97   34.90   27.97    14.4   0.206  1461.6
 490.0    0.98    0.96   34.90   27.97    14.3   0.208  1461.7
 491.1    0.99    0.96   34.89   27.96    15.2   0.208  1461.8
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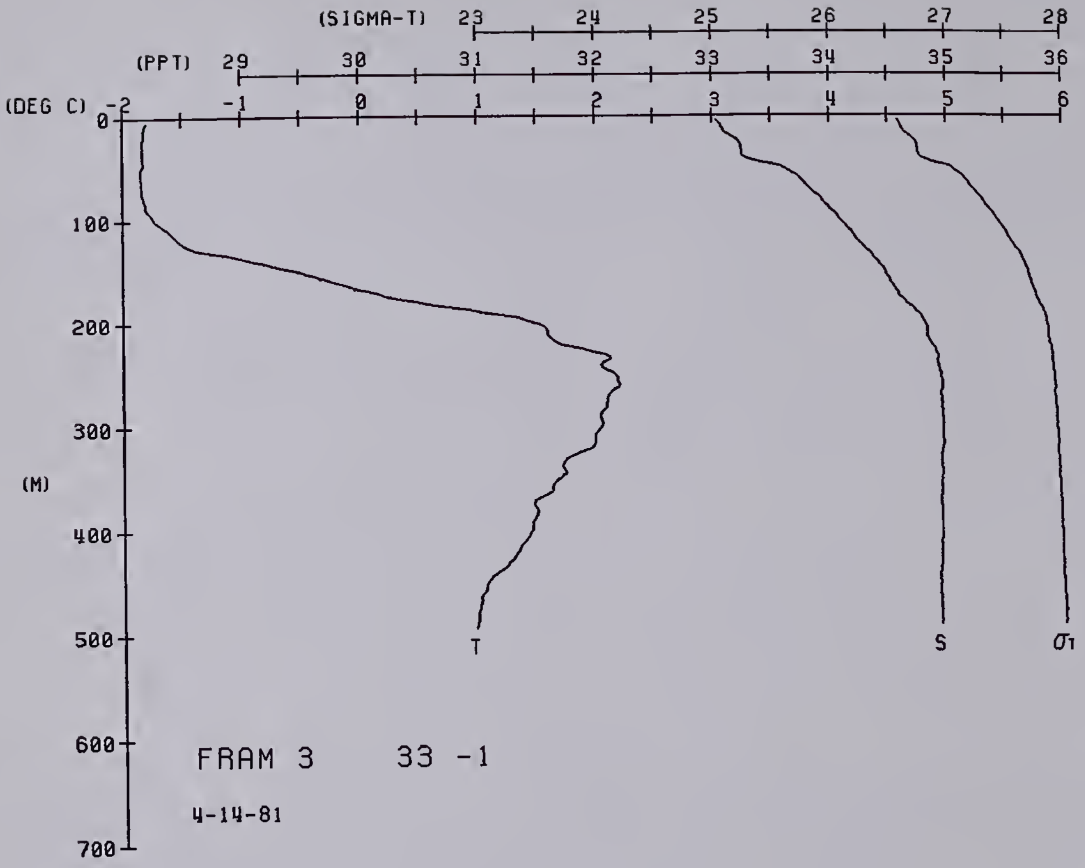
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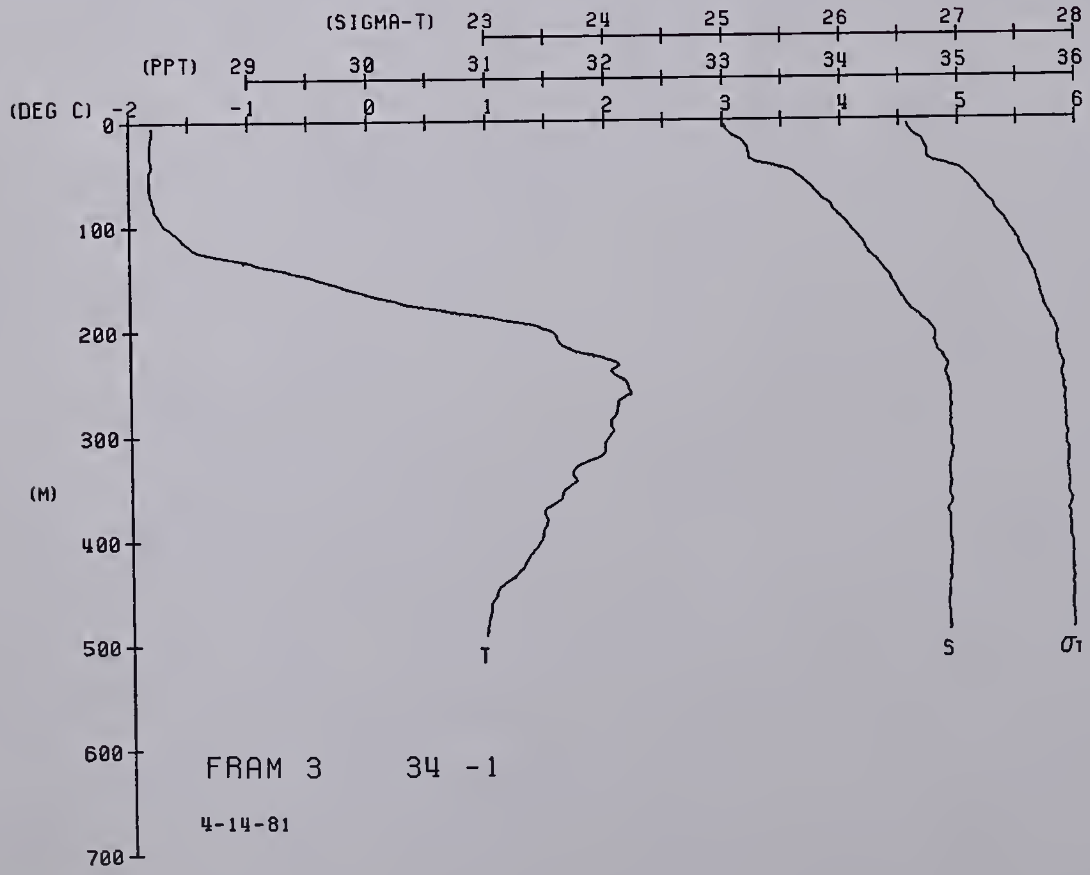
4-14-81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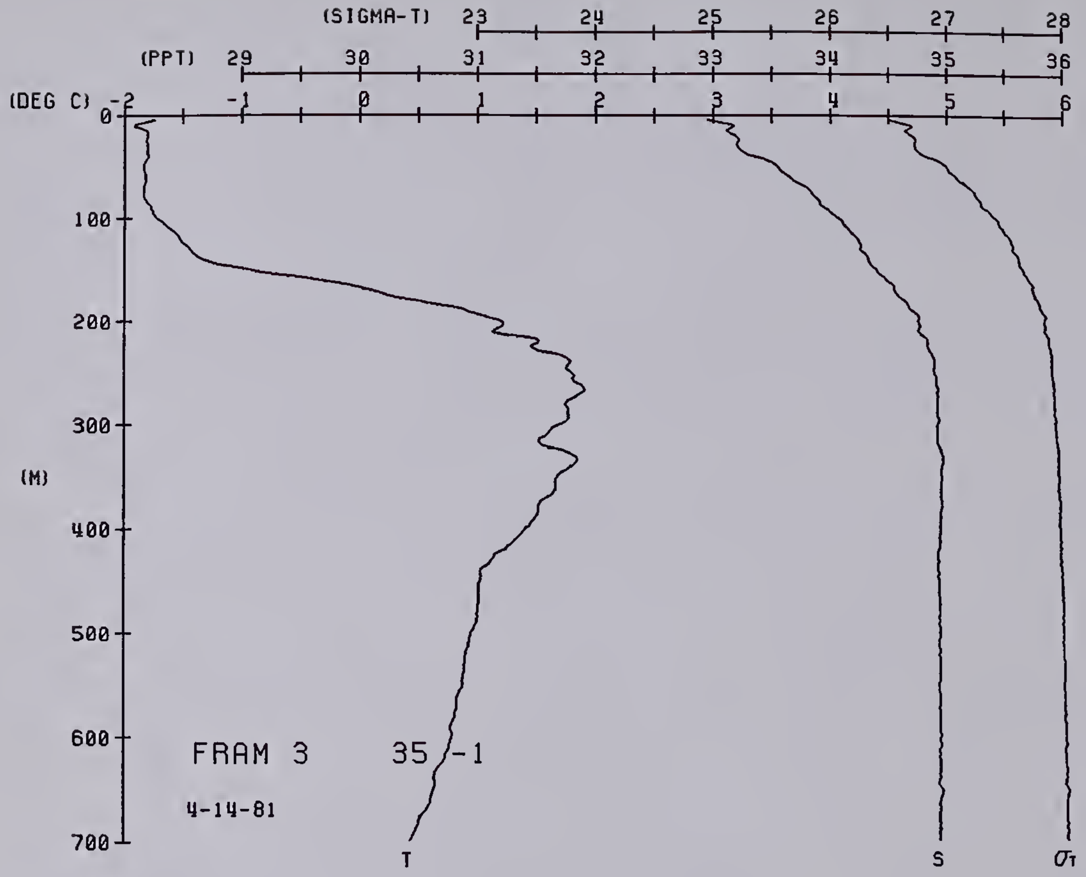
FRAM 3 STATION 35(1) CTD 14/APR/1981 1355 GMT CODE = 5
LAT = 83.0283N LNG =   7.0777E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.96	26.52	150.5	0.000	1438.3
4.9	-1.74	-1.74	32.96	26.52	150.5	0.008	1438.4
5.0	-1.74	-1.74	32.96	26.52	150.3	0.008	1438.4
10.0	-1.94	-1.94	33.19	26.71	132.0	0.015	1437.9
15.0	-1.80	-1.80	33.12	26.65	137.7	0.022	1438.5
20.0	-1.80	-1.81	33.19	26.71	132.3	0.028	1438.7
25.0	-1.81	-1.81	33.22	26.73	130.1	0.035	1438.8
30.0	-1.80	-1.80	33.21	26.73	130.5	0.042	1438.9
35.0	-1.80	-1.80	33.25	26.76	127.5	0.048	1439.0
40.0	-1.79	-1.80	33.34	26.83	120.3	0.054	1439.3
45.0	-1.82	-1.82	33.49	26.95	108.8	0.060	1439.4
50.0	-1.84	-1.84	33.55	27.00	104.1	0.066	1439.5
55.0	-1.82	-1.82	33.59	27.03	101.1	0.071	1439.7
60.0	-1.82	-1.82	33.65	27.09	96.0	0.076	1439.9
65.0	-1.82	-1.82	33.71	27.13	91.9	0.080	1440.1
70.0	-1.83	-1.83	33.80	27.20	85.0	0.085	1440.2
75.0	-1.83	-1.83	33.84	27.24	81.5	0.089	1440.4
80.0	-1.83	-1.83	33.88	27.27	78.7	0.093	1440.5
85.0	-1.80	-1.80	33.92	27.30	75.8	0.097	1440.8
90.0	-1.77	-1.77	33.96	27.33	72.7	0.101	1441.1
95.0	-1.75	-1.75	34.01	27.38	68.5	0.104	1441.3
100.0	-1.71	-1.72	34.08	27.43	63.5	0.108	1441.7
110.0	-1.61	-1.61	34.15	27.48	58.2	0.114	1442.5
120.0	-1.52	-1.53	34.23	27.55	52.0	0.119	1443.1
130.0	-1.43	-1.44	34.26	27.57	50.5	0.125	1443.8
140.0	-1.32	-1.33	34.33	27.62	45.5	0.130	1444.5
150.0	-0.93	-0.93	34.39	27.66	42.0	0.134	1446.6
160.0	-0.34	-0.34	34.49	27.71	37.3	0.138	1449.7
170.0	0.10	0.09	34.55	27.74	35.0	0.142	1451.9
180.0	0.46	0.45	34.64	27.79	30.3	0.145	1453.9
190.0	0.91	0.90	34.72	27.82	27.2	0.148	1456.2
200.0	1.20	1.19	34.76	27.84	26.1	0.151	1457.7
210.0	1.12	1.11	34.76	27.84	25.4	0.153	1457.5
220.0	1.51	1.50	34.83	27.87	23.1	0.156	1459.5
230.0	1.59	1.58	34.86	27.89	21.1	0.158	1460.1
240.0	1.78	1.77	34.89	27.90	20.8	0.160	1461.1
250.0	1.80	1.79	34.89	27.90	20.9	0.162	1461.4
260.0	1.85	1.84	34.91	27.91	20.0	0.164	1461.8
270.0	1.87	1.86	34.91	27.91	19.6	0.166	1462.1
280.0	1.74	1.72	34.91	27.92	18.9	0.168	1461.6
290.0	1.76	1.75	34.91	27.92	18.8	0.170	1461.9
300.0	1.69	1.68	34.91	27.93	18.4	0.172	1461.8
310.0	1.58	1.56	34.91	27.93	17.6	0.174	1461.4
320.0	1.56	1.55	34.93	27.95	16.5	0.175	1461.5
330.0	1.82	1.80	34.96	27.95	16.3	0.177	1462.9
340.0	1.80	1.78	34.95	27.94	16.9	0.179	1462.9
350.0	1.67	1.66	34.94	27.95	16.1	0.180	1462.5
360.0	1.65	1.64	34.94	27.95	16.0	0.182	1462.6
370.0	1.59	1.57	34.94	27.96	15.5	0.184	1462.5
380.0	1.51	1.49	34.94	27.96	15.0	0.185	1462.3
390.0	1.48	1.46	34.94	27.96	15.2	0.187	1462.3
400.0	1.40	1.38	34.94	27.97	14.7	0.188	1462.2
410.0	1.33	1.30	34.93	27.96	14.8	0.190	1462.0
420.0	1.23	1.20	34.92	27.96	15.0	0.191	1461.7
430.0	1.11	1.09	34.92	27.97	14.1	0.193	1461.4
440.0	1.02	1.00	34.91	27.97	13.6	0.194	1461.1
450.0	1.01	0.99	34.92	27.98	13.3	0.195	1461.2
460.0	1.00	0.98	34.92	27.98	13.2	0.197	1461.4
470.0	1.00	0.98	34.92	27.98	12.8	0.198	1461.5
480.0	0.99	0.97	34.93	27.99	12.4	0.199	1461.6
490.0	0.99	0.96	34.92	27.98	12.8	0.201	1461.8
500.0	0.94	0.92	34.93	27.99	12.1	0.202	1461.8
530.0	0.88	0.86	34.92	27.99	11.9	0.206	1462.0
560.0	0.83	0.80	34.92	27.99	11.8	0.209	1462.2
590.0	0.76	0.74	34.93	28.00	10.9	0.213	1462.5
620.0	0.71	0.68	34.92	28.00	11.0	0.216	1462.7
650.0	0.62	0.59	34.94	28.02	8.8	0.219	1462.8
680.0	0.50	0.46	34.92	28.01	9.6	0.222	1462.7
710.0	0.38	0.35	34.91	28.01	9.8	0.225	1462.7
740.0	0.31	0.27	34.90	28.01	9.9	0.228	1462.9
790.0	0.18	0.14	34.91	28.02	8.1	0.232	1463.1
840.0	0.08	0.04	34.90	28.03	7.7	0.236	1463.5
890.0	-0.02	-0.06	34.91	28.03	6.9	0.240	1463.9
940.0	-0.09	-0.13	34.90	28.03	6.8	0.244	1464.4
990.0	-0.16	-0.20	34.90	28.03	6.4	0.247	1465.0
1040.0	-0.23	-0.28	34.90	28.04	5.6	0.250	1465.4
1090.0	-0.29	-0.34	34.90	28.04	5.6	0.253	1466.0
1140.0	-0.34	-0.40	34.89	28.03	5.6	0.256	1466.6
1190.0	-0.40	-0.45	34.89	28.04	5.0	0.258	1467.2
1240.0	-0.43	-0.49	34.89	28.04	4.8	0.261	1467.9
1290.0	-0.48	-0.54	34.88	28.03	5.3	0.263	1468.5
1340.0	-0.52	-0.58	34.88	28.04	4.4	0.266	1469.2
1390.0	-0.56	-0.62	34.88	28.04	3.9	0.268	1469.9
1440.0	-0.60	-0.66	34.88	28.04	4.1	0.270	1470.5
1460.9	-0.66	-0.73	34.95	28.10	-1.6	0.270	1470.7



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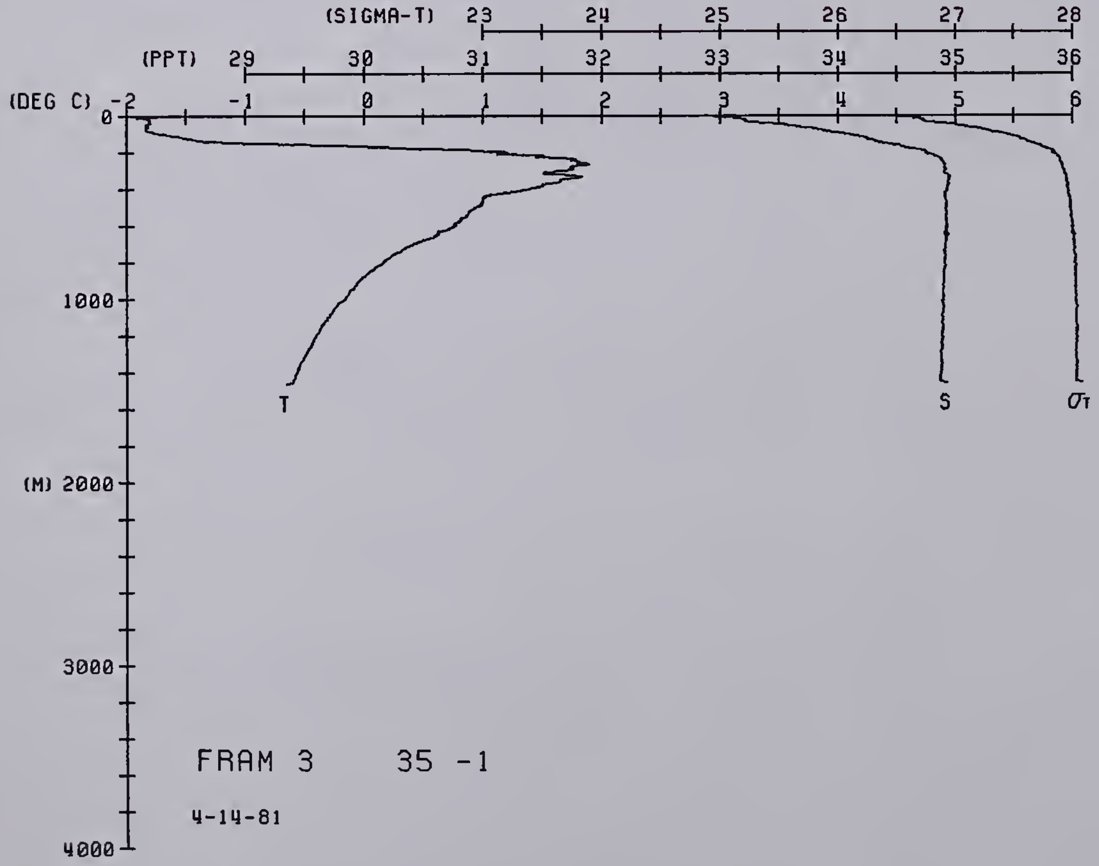

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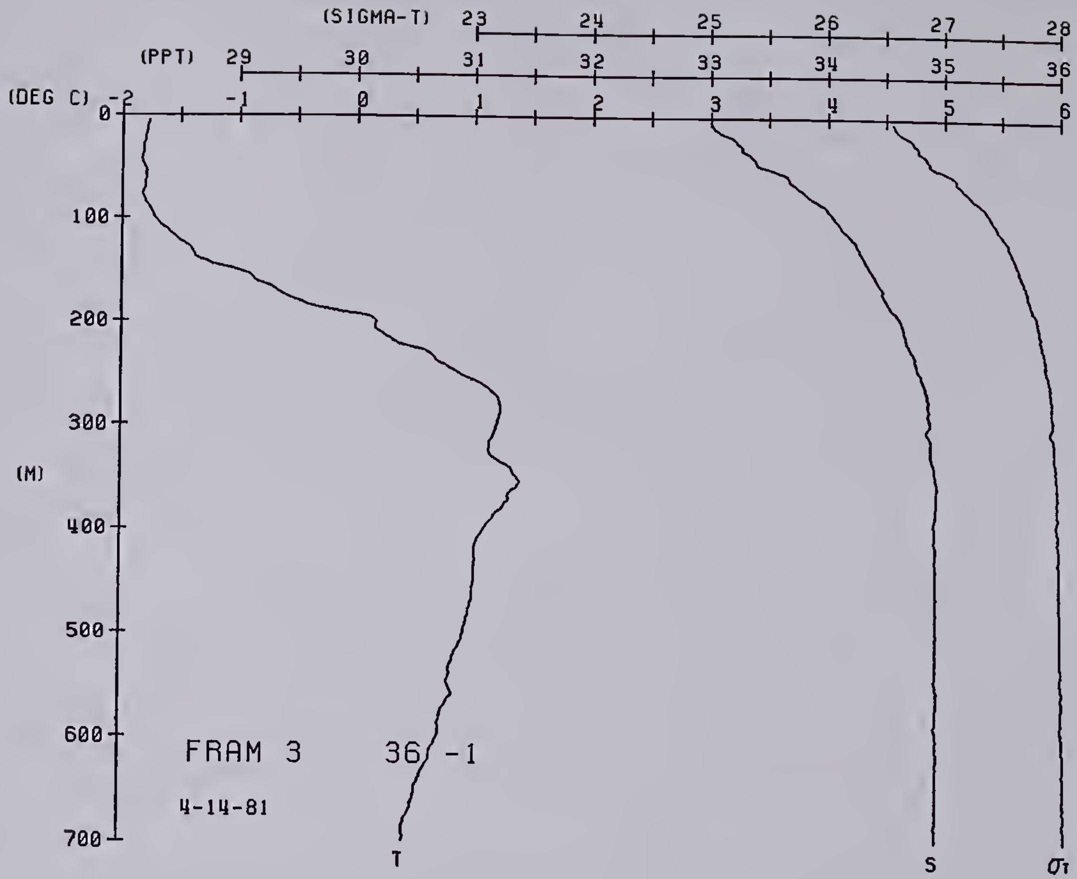
FRAM 3 STATION 36(1) CTD 14/APR/1981 1953 GMT CODE = 5
LAT = 83.0122N LNG = 7.0238E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	33.00	26.56	146.8	0.000	1438.3
4.9	-1.77	-1.77	33.00	26.56	146.8	0.007	1438.3
5.0	-1.77	-1.77	33.00	26.56	146.8	0.007	1438.3
10.0	-1.78	-1.78	33.03	26.58	144.7	0.015	1438.4
15.0	-1.79	-1.79	33.09	26.63	139.8	0.022	1438.5
20.0	-1.80	-1.80	33.19	26.71	132.3	0.029	1438.7
25.0	-1.81	-1.81	33.24	26.75	128.6	0.036	1438.8
30.0	-1.82	-1.82	33.27	26.77	126.2	0.042	1438.9
35.0	-1.82	-1.82	33.32	26.81	122.3	0.048	1439.0
40.0	-1.83	-1.83	33.37	26.86	118.1	0.054	1439.2
45.0	-1.83	-1.83	33.39	26.88	116.2	0.060	1439.3
50.0	-1.80	-1.80	33.50	26.96	108.2	0.066	1439.6
55.0	-1.79	-1.79	33.62	27.06	98.6	0.071	1439.9
60.0	-1.79	-1.80	33.67	27.10	94.9	0.076	1440.1
65.0	-1.80	-1.80	33.71	27.13	91.9	0.081	1440.2
70.0	-1.80	-1.81	33.77	27.18	87.4	0.085	1440.3
75.0	-1.82	-1.83	33.82	27.22	83.1	0.090	1440.4
80.0	-1.81	-1.81	33.88	27.27	78.5	0.094	1440.6
85.0	-1.80	-1.80	33.96	27.33	72.7	0.097	1440.9
90.0	-1.76	-1.76	34.00	27.37	69.4	0.101	1441.2
95.0	-1.73	-1.74	34.04	27.40	66.5	0.104	1441.5
100.0	-1.71	-1.72	34.07	27.42	64.1	0.108	1441.7
110.0	-1.63	-1.63	34.14	27.48	59.0	0.114	1442.4
120.0	-1.52	-1.52	34.23	27.55	52.4	0.120	1443.1
130.0	-1.40	-1.40	34.27	27.58	49.5	0.125	1444.0
140.0	-1.32	-1.33	34.33	27.62	45.6	0.130	1444.5
150.0	-1.02	-1.02	34.38	27.65	42.8	0.134	1446.2
160.0	-0.86	-0.86	34.43	27.68	39.4	0.138	1447.2
170.0	-0.68	-0.68	34.47	27.71	37.3	0.142	1448.3
180.0	-0.49	-0.50	34.51	27.74	34.5	0.146	1449.3
190.0	-0.15	-0.15	34.58	27.78	30.9	0.149	1451.2
200.0	0.17	0.16	34.63	27.80	28.8	0.152	1452.9
210.0	0.20	0.20	34.66	27.82	27.2	0.155	1453.2
220.0	0.34	0.34	34.69	27.84	25.8	0.158	1454.1
230.0	0.63	0.62	34.74	27.86	23.9	0.160	1455.6
240.0	0.72	0.71	34.76	27.87	23.1	0.162	1456.2
250.0	0.88	0.87	34.80	27.89	21.0	0.165	1457.2
260.0	1.07	1.06	34.83	27.91	19.5	0.167	1458.2
270.0	1.19	1.17	34.85	27.91	19.0	0.169	1458.9
280.0	1.22	1.21	34.86	27.92	18.7	0.171	1459.3
290.0	1.22	1.20	34.87	27.92	18.1	0.172	1459.4
300.0	1.19	1.18	34.86	27.92	18.8	0.174	1459.4
310.0	1.16	1.14	34.87	27.93	17.2	0.176	1459.5
320.0	1.13	1.11	34.88	27.94	16.5	0.178	1459.5
330.0	1.16	1.14	34.89	27.94	16.3	0.179	1459.8
340.0	1.30	1.29	34.91	27.95	15.8	0.181	1460.7
350.0	1.36	1.34	34.92	27.96	15.1	0.183	1461.1
360.0	1.35	1.33	34.93	27.96	14.8	0.184	1461.3
370.0	1.29	1.27	34.93	27.97	14.4	0.186	1461.2
380.0	1.23	1.21	34.92	27.97	14.1	0.187	1461.0
390.0	1.15	1.13	34.91	27.96	14.7	0.189	1460.8
400.0	1.08	1.06	34.91	27.97	14.0	0.190	1460.7
410.0	1.03	1.01	34.90	27.97	14.2	0.191	1460.6
420.0	1.00	0.98	34.92	27.98	12.7	0.193	1460.7
430.0	1.01	0.99	34.91	27.97	13.5	0.194	1460.9
440.0	1.00	0.98	34.92	27.98	13.0	0.195	1461.0
450.0	1.00	0.98	34.92	27.98	13.0	0.197	1461.2
460.0	0.99	0.97	34.92	27.98	13.0	0.198	1461.3
470.0	0.98	0.95	34.92	27.98	12.7	0.199	1461.4
480.0	0.95	0.93	34.92	27.99	12.5	0.201	1461.5
490.0	0.93	0.91	34.92	27.99	12.4	0.202	1461.5
500.0	0.91	0.89	34.92	27.99	12.4	0.203	1461.6
530.0	0.80	0.78	34.92	27.99	11.9	0.207	1461.6
560.0	0.81	0.78	34.92	28.00	11.5	0.210	1462.1
590.0	0.70	0.68	34.91	27.99	11.8	0.214	1462.2
620.0	0.63	0.60	34.92	28.01	10.2	0.217	1462.3
650.0	0.50	0.47	34.92	28.01	9.7	0.220	1462.3
680.0	0.42	0.39	34.92	28.02	9.3	0.223	1462.4
710.0	0.37	0.34	34.91	28.02	9.1	0.226	1462.7
740.0	0.28	0.25	34.91	28.02	8.6	0.229	1462.8
790.0	0.17	0.13	34.91	28.02	8.1	0.233	1463.1
840.0	0.06	0.02	34.90	28.03	7.6	0.237	1463.4
890.0	-0.01	-0.05	34.90	28.02	7.6	0.241	1463.9
940.0	-0.10	-0.14	34.90	28.03	6.9	0.244	1464.4
990.0	-0.17	-0.21	34.90	28.03	6.4	0.248	1464.9
1040.0	-0.25	-0.29	34.89	28.03	6.1	0.251	1465.4
1090.0	-0.31	-0.36	34.89	28.04	5.6	0.254	1465.9
1140.0	-0.35	-0.41	34.89	28.04	5.2	0.257	1466.6
1190.0	-0.40	-0.45	34.89	28.03	5.3	0.259	1467.2
1240.0	-0.45	-0.50	34.88	28.03	5.1	0.262	1467.8
1290.0	-0.49	-0.55	34.88	28.03	4.8	0.265	1468.5
1340.0	-0.52	-0.58	34.88	28.03	4.7	0.267	1469.2
1390.0	-0.56	-0.62	34.88	28.04	4.2	0.269	1469.9
1440.0	-0.58	-0.65	34.87	28.03	4.5	0.272	1470.6
1490.0	-0.62	-0.68	34.88	28.04	3.8	0.274	1471.3
1540.0	-0.64	-0.71	34.87	28.04	3.7	0.276	1472.0
1590.0	-0.66	-0.73	34.87	28.04	3.6	0.277	1472.8
1617.1	-0.68	-0.75	34.87	28.03	3.7	0.278	1473.2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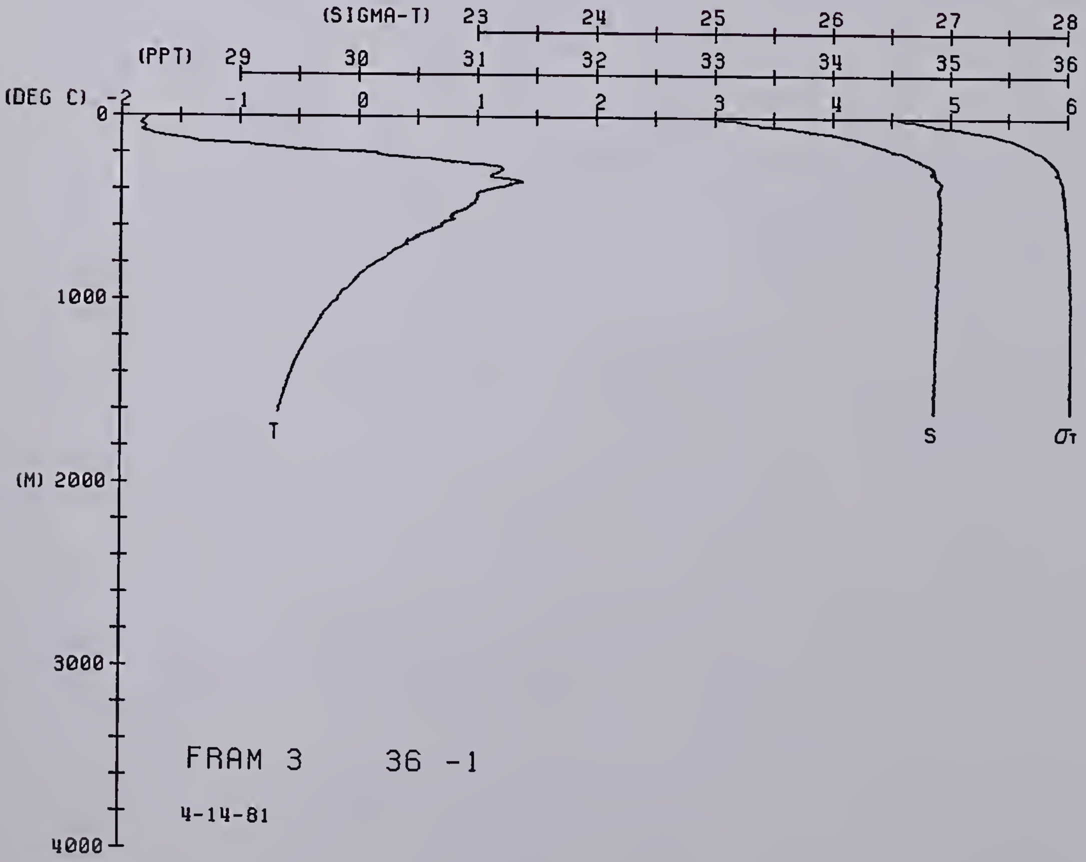
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0
1000
(M) 2000
3000
4000
FRAM 3 36 -1
4-14-81
T
S
σT

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 FRAM 3  STATION  37(1) CTD  14/APR/1981 2243 GMT  CODE = 5
LAT = 83.0060N LNG =   6.9910E LTER =     30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.79   -1.79   33.01   26.56   146.2   0.000   1438.1
   4.0   -1.79   -1.80   33.01   26.56   146.1   0.006   1438.2
   5.0   -1.79   -1.80   33.01   26.57   145.9   0.007   1438.2
  10.0   -1.80   -1.80   33.05   26.60   142.9   0.015   1438.3
  15.0   -1.80   -1.80   33.14   26.67   135.8   0.022   1438.5
  20.0   -1.81   -1.81   33.20   26.72   131.3   0.029   1438.7
  25.0   -1.82   -1.82   33.25   26.76   127.1   0.035   1438.8
  30.0   -1.81   -1.81   33.30   26.80   123.4   0.041   1439.0
  35.0   -1.81   -1.81   33.34   26.83   120.3   0.048   1439.1
  40.0   -1.82   -1.82   33.38   26.86   117.6   0.054   1439.2
  45.0   -1.83   -1.83   33.43   26.91   113.3   0.059   1439.3
  50.0   -1.83   -1.83   33.51   26.97   107.0   0.065   1439.5
  55.0   -1.82   -1.82   33.57   27.02   102.5   0.070   1439.7
  60.0   -1.82   -1.82   33.61   27.05    99.4   0.075   1439.9
  65.0   -1.82   -1.82   33.67   27.10    94.6   0.080   1440.1
  70.0   -1.79   -1.80   33.73   27.15    90.3   0.085   1440.3
  75.0   -1.78   -1.78   33.79   27.20    85.7   0.089   1440.6
  80.0   -1.76   -1.76   33.83   27.23    82.3   0.094   1440.8
  85.0   -1.74   -1.74   33.86   27.25    80.2   0.098   1441.0
  90.0   -1.73   -1.73   33.91   27.29    76.7   0.102   1441.2
  95.0   -1.72   -1.72   33.97   27.34    72.1   0.105   1441.4
 100.0   -1.69   -1.70   34.00   27.37    69.3   0.109   1441.7
 110.0   -1.61   -1.61   34.07   27.42    64.0   0.116   1442.4
 120.0   -1.53   -1.53   34.15   27.49    58.0   0.122   1443.0
 130.0   -1.44   -1.44   34.22   27.54    53.2   0.128   1443.7
 140.0   -1.33   -1.34   34.26   27.57    50.4   0.133   1444.4
 150.0   -1.10   -1.11   34.33   27.61    46.1   0.138   1445.8
 160.0   -0.69   -0.69   34.36   27.63    45.1   0.142   1447.9
 170.0   -0.47   -0.47   34.43   27.67    41.4   0.147   1449.2
 180.0   -0.37   -0.38   34.47   27.69    38.6   0.151   1449.8
 190.0   -0.11   -0.11   34.51   27.72    36.7   0.155   1451.3
 200.0    0.08    0.07   34.56   27.74    34.3   0.158   1452.4
 210.0    0.22    0.21   34.59   27.76    32.3   0.161   1453.2
 220.0    0.37    0.36   34.64   27.80    29.5   0.165   1454.1
 230.0    0.56    0.55   34.67   27.81    28.5   0.168   1455.2
 240.0    0.65    0.64   34.69   27.82    27.3   0.170   1455.8
 250.0    0.91    0.89   34.71   27.82    27.8   0.173   1457.1
 260.0    1.02    1.01   34.80   27.88    22.1   0.176   1458.0
 270.0    1.10    1.09   34.80   27.88    22.2   0.178   1458.5
 280.0    1.28    1.27   34.84   27.89    20.9   0.180   1459.5
 290.0    1.27    1.26   34.86   27.91    19.4   0.182   1459.7
 300.0    1.24    1.23   34.84   27.90    20.1   0.184   1459.7
 310.0    1.16    1.15   34.85   27.91    19.2   0.186   1459.5
 320.0    1.12    1.10   34.87   27.93    17.5   0.188   1459.5
 330.0    1.08    1.07   34.85   27.92    18.8   0.190   1459.5
 340.0    1.15    1.13   34.87   27.93    17.8   0.192   1459.9
 350.0    1.20    1.18   34.89   27.95    16.3   0.193   1460.4
 360.0    1.20    1.18   34.87   27.93    17.8   0.195   1460.5
 370.0    1.15    1.13   34.89   27.95    16.1   0.197   1460.5
 380.0    1.11    1.09   34.89   27.95    15.5   0.198   1460.4
 390.0    1.07    1.05   34.88   27.95    16.3   0.200   1460.4
 400.0    1.03    1.01   34.87   27.94    16.9   0.202   1460.4
 410.0    1.00    0.99   34.88   27.95    15.8   0.203   1460.5
 420.0    1.01    0.99   34.89   27.96    15.3   0.205   1460.7
 430.0    1.00    0.98   34.89   27.96    14.9   0.206   1460.8
 440.0    1.00    0.98   34.90   27.96    14.5   0.208   1461.0
 450.0    0.99    0.97   34.90   27.97    14.4   0.209   1461.1
 460.0    0.97    0.95   34.90   27.97    14.2   0.211   1461.2
 470.0    0.96    0.94   34.90   27.97    14.0   0.212   1461.3
 480.0    0.95    0.92   34.89   27.96    14.6   0.214   1461.4
 490.0    0.89    0.87   34.90   27.97    13.5   0.215   1461.3
 498.0    0.85    0.83   34.87   27.95    15.7   0.216   1461.2
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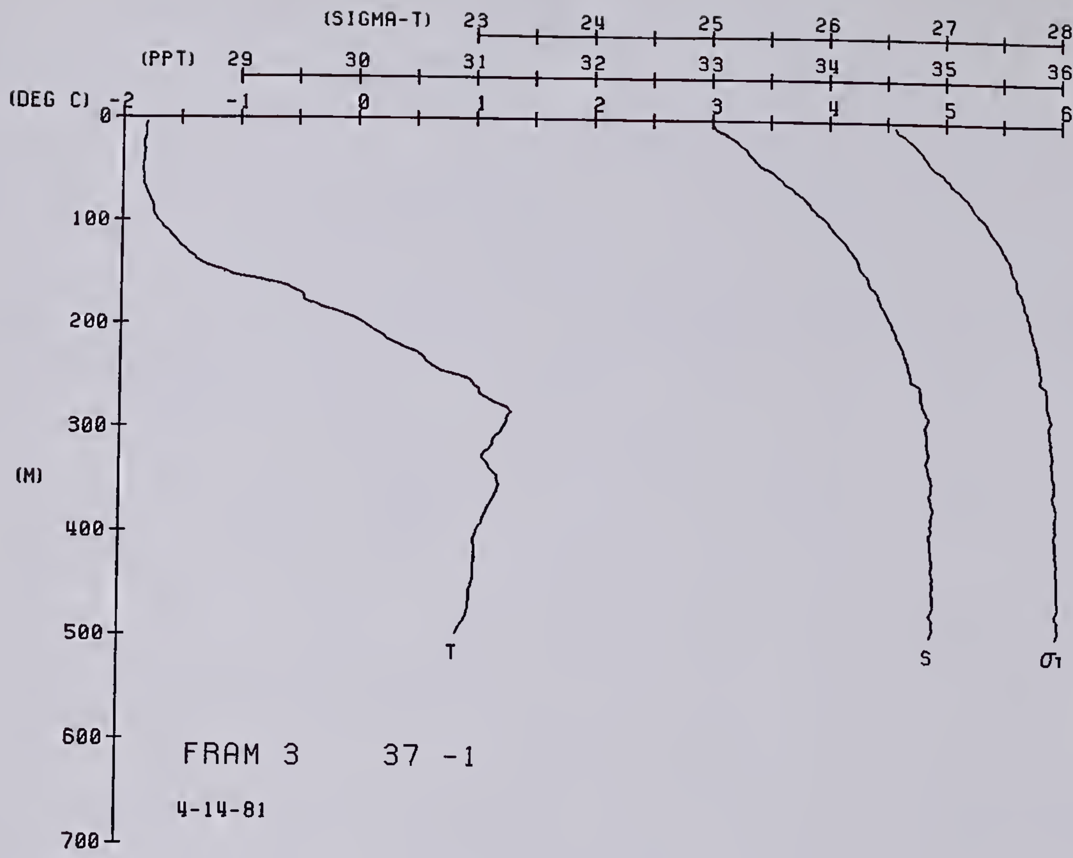

FRAM 3 37 -1

4-14-81

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FRAM 3  STATION  38(1) CTD  15/APR/1981  903 GMT  CODE = 5
LAT = 82.9845N LNG =   6.9473E LTER =    30. LGER =    30.
AIR TEMP =    0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   33.04   26.59   143.7   0.000   1438.1
   4.9   -1.82   -1.82   33.04   26.59   143.7   0.007   1438.1
   5.0   -1.82   -1.82   33.04   26.59   143.7   0.007   1438.2
  10.0   -1.81   -1.81   33.04   26.59   144.0   0.015   1438.3
  15.0   -1.81   -1.81   33.18   26.70   132.8   0.022   1438.6
  20.0   -1.82   -1.82   33.26   26.77   126.7   0.028   1438.7
  25.0   -1.83   -1.83   33.36   26.85   118.9   0.034   1438.9
  30.0   -1.83   -1.83   33.41   26.89   115.4   0.040   1439.0
  35.0   -1.83   -1.83   33.43   26.90   113.9   0.046   1439.2
  40.0   -1.83   -1.83   33.46   26.93   111.1   0.052   1439.3
  45.0   -1.84   -1.84   33.52   26.98   106.2   0.057   1439.4
  50.0   -1.83   -1.83   33.56   27.01   103.7   0.063   1439.6
  55.0   -1.84   -1.84   33.61   27.05    99.5   0.068   1439.7
  60.0   -1.84   -1.84   33.65   27.09    96.1   0.073   1439.9
  65.0   -1.82   -1.82   33.71   27.13    91.7   0.077   1440.1
  70.0   -1.80   -1.81   33.76   27.17    87.8   0.082   1440.3
  75.0   -1.81   -1.81   33.81   27.22    83.7   0.086   1440.4
  80.0   -1.80   -1.80   33.85   27.24    81.3   0.090   1440.6
  85.0   -1.80   -1.80   33.89   27.28    78.0   0.094   1440.8
  90.0   -1.79   -1.79   33.94   27.32    74.0   0.098   1441.0
  95.0   -1.78   -1.79   33.99   27.36    70.1   0.102   1441.1
 100.0   -1.78   -1.79   34.02   27.39    67.5   0.105   1441.3
 110.0   -1.77   -1.77   34.06   27.42    64.6   0.112   1441.6
 120.0   -1.63   -1.63   34.14   27.48    58.9   0.118   1442.5
 130.0   -1.56   -1.56   34.22   27.54    52.9   0.124   1443.1
 140.0   -1.44   -1.44   34.30   27.60    47.3   0.129   1444.0
 150.0   -1.20   -1.21   34.37   27.65    42.7   0.134   1445.3
 160.0   -0.93   -0.93   34.42   27.68    39.7   0.138   1446.9
 170.0   -0.64   -0.65   34.48   27.72    36.6   0.142   1448.4
 180.0   -0.44   -0.45   34.51   27.73    35.2   0.145   1449.6
 190.0   -0.20   -0.21   34.55   27.75    33.5   0.149   1450.9
 200.0    0.06    0.05   34.61   27.79    30.1   0.152   1452.3
 210.0    0.20    0.19   34.66   27.82    27.2   0.155   1453.2
 220.0    0.42    0.42   34.71   27.85    24.8   0.157   1454.5
 230.0    0.50    0.49   34.73   27.86    23.4   0.160   1455.0
 240.0    0.95    0.94   34.79   27.88    22.0   0.162   1457.3
 250.0    1.18    1.17   34.83   27.90    20.3   0.164   1458.6
 260.0    1.71    1.70   34.90   27.91    19.5   0.166   1461.1
 270.0    1.70    1.69   34.89   27.91    19.8   0.168   1461.3
 280.0    1.64    1.63   34.90   27.92    18.9   0.170   1461.2
 290.0    1.50    1.48   34.89   27.92    18.4   0.172   1460.7
 300.0    1.53    1.52   34.91   27.94    17.0   0.174   1461.1
 310.0    1.33    1.31   34.89   27.93    17.4   0.176   1460.3
 320.0    1.10    1.08   34.87   27.94    16.9   0.177   1459.4
 330.0    1.02    1.01   34.87   27.94    16.6   0.179   1459.2
 340.0    1.07    1.05   34.90   27.96    15.0   0.181   1459.6
 350.0    1.21    1.19   34.91   27.96    14.7   0.182   1460.5
 360.0    1.29    1.27   34.93   27.97    14.0   0.184   1461.0
 370.0    1.22    1.20   34.92   27.97    14.4   0.185   1460.8
 380.0    1.17    1.15   34.92   27.97    14.2   0.187   1460.8
 390.0    1.15    1.13   34.92   27.97    13.8   0.188   1460.9
 400.0    1.06    1.04   34.92   27.97    13.6   0.189   1460.6
 410.0    1.00    0.98   34.92   27.98    12.9   0.191   1460.5
 420.0    1.00    0.97   34.92   27.98    12.6   0.192   1460.7
 430.0    1.00    0.97   34.92   27.98    12.7   0.193   1460.8
 440.0    1.00    0.97   34.93   27.99    12.1   0.195   1461.0
 450.0    1.01    0.99   34.93   27.99    12.4   0.196   1461.2
 460.0    1.00    0.98   34.93   27.99    12.0   0.197   1461.4
 470.0    0.99    0.96   34.93   27.99    12.2   0.198   1461.5
 480.0    0.96    0.94   34.93   27.99    12.1   0.199   1461.5
 490.0    0.94    0.92   34.93   27.99    12.1   0.201   1461.6
 500.0    0.90    0.88   34.93   28.00    11.5   0.202   1461.6
 530.0    0.89    0.86   34.93   28.00    11.2   0.205   1462.0
 560.0    0.87    0.84   34.94   28.01    10.6   0.209   1462.4
 590.0    0.76    0.74   34.94   28.01    10.1   0.212   1462.5
 620.0    0.65    0.62   34.92   28.00    11.0   0.215   1462.4
 650.0    0.54    0.51   34.93   28.02     9.2   0.218   1462.5
 680.0    0.46    0.43   34.92   28.02     9.0   0.221   1462.6

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0    0.38    0.35   34.92   28.02     8.7   0.224   1462.8
 740.0    0.31    0.27   34.92   28.02     8.4   0.226   1462.9
 790.0    0.19    0.15   34.92   28.03     7.5   0.230   1463.2
 840.0    0.07    0.03   34.91   28.03     7.4   0.234   1463.5
 890.0   -0.03   -0.06   34.91   28.03     6.9   0.238   1463.9
 940.0   -0.11   -0.15   34.90   28.03     6.4   0.241   1464.3
 990.0   -0.17   -0.22   34.90   28.04     5.9   0.244   1464.9
1040.0   -0.24   -0.29   34.90   28.04     5.9   0.247   1465.4
1090.0   -0.31   -0.36   34.90   28.04     5.2   0.250   1465.9
1140.0   -0.35   -0.40   34.89   28.04     5.2   0.252   1466.6
1190.0   -0.40   -0.45   34.89   28.04     5.0   0.255   1467.2
1240.0   -0.44   -0.50   34.89   28.04     4.3   0.257   1467.9
1290.0   -0.50   -0.55   34.91   28.06     2.6   0.259   1468.5
1340.0   -0.54   -0.60   34.93   28.07     1.0   0.260   1469.2
1390.0   -0.56   -0.63   34.92   28.07     0.9   0.261   1469.9
1440.0   -0.60   -0.66   34.93   28.08     0.4   0.261   1470.6
1490.0   -0.62   -0.69   34.92   28.07     0.4   0.261   1471.3
1509.1   -0.63   -0.69   34.91   28.07     0.9   0.261   1471.6
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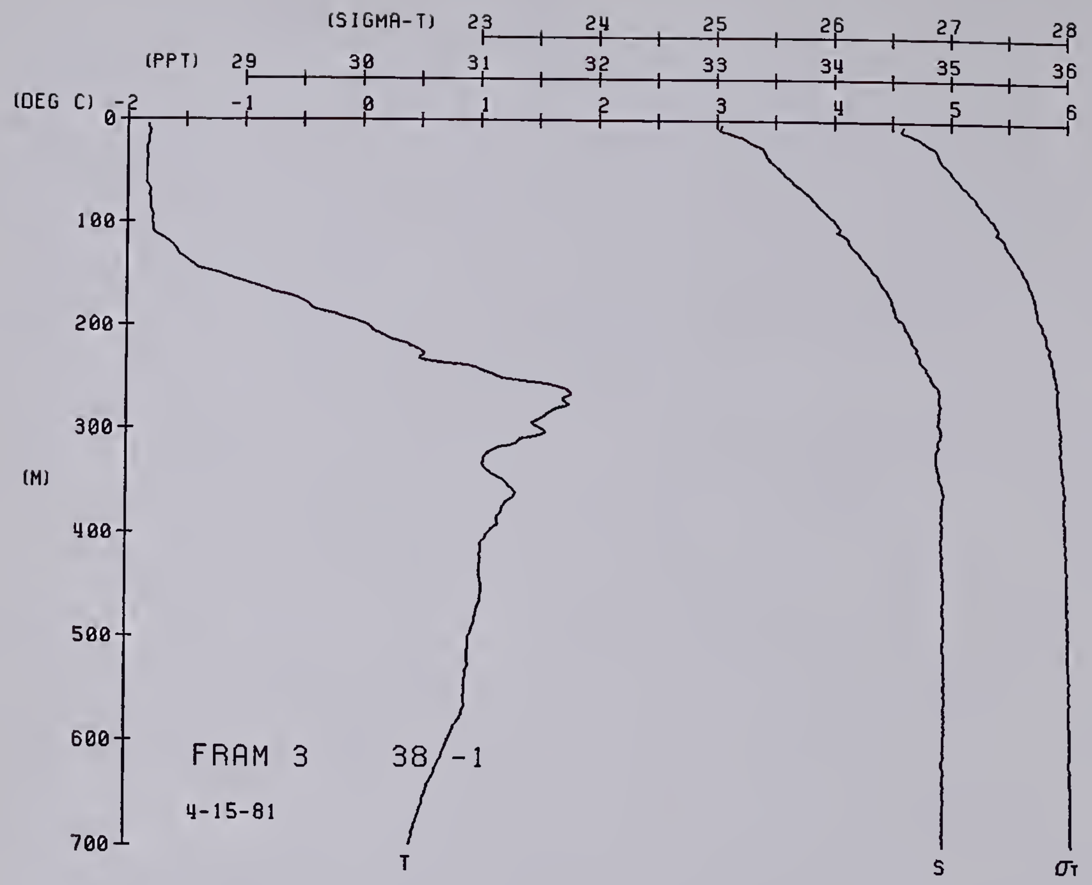
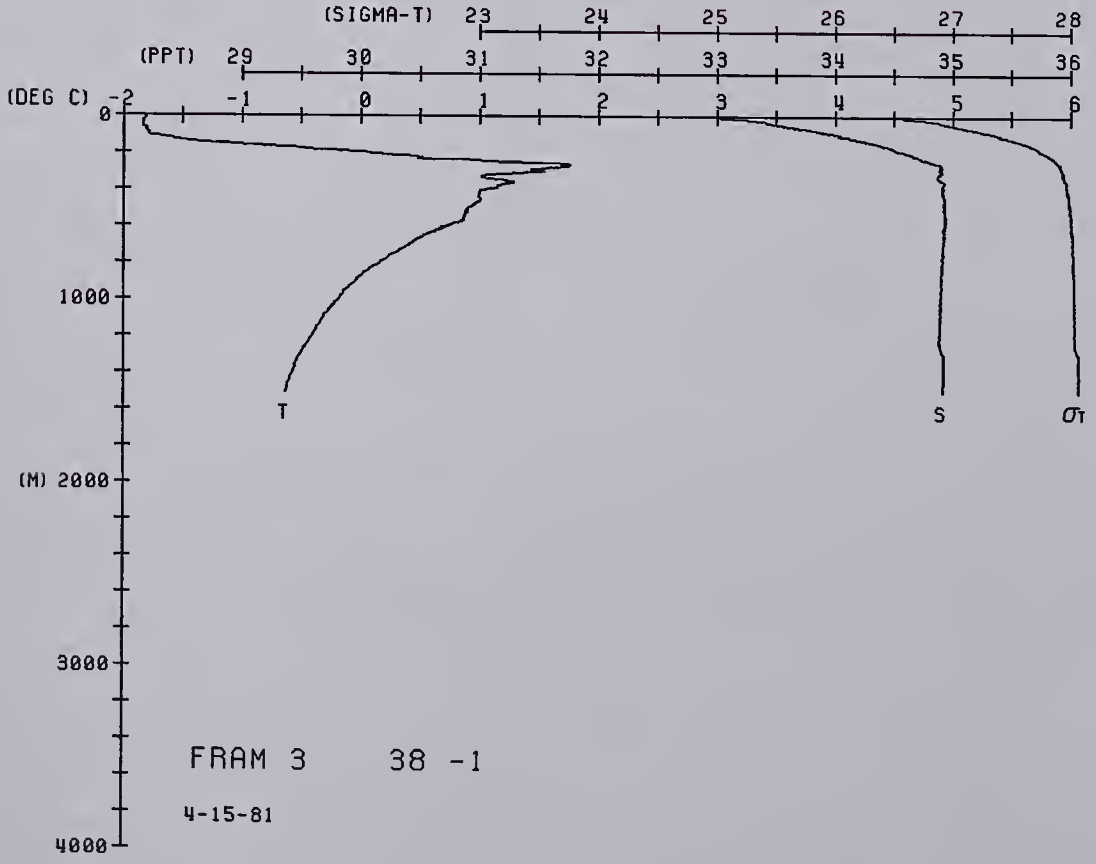


FRAM 3 38-1

4-15-81



FRAM 3 38 -1

4-15-81

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 FRAM 3  STATION  39(1) CTD  15/APR/1981 1019 GMT  CODE = 5
LAT = 82.9825N LNG =    6.9517E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BARUM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   33.12   26.65   138.0   0.000   1438.2
   4.0   -1.82   -1.82   33.12   26.65   138.0   0.006   1438.2
   5.0   -1.82   -1.82   33.11   26.65   138.2   0.007   1438.3
  10.0   -1.82   -1.82   33.10   26.64   139.1   0.014   1438.3
  15.0   -1.82   -1.82   33.19   26.71   132.5   0.021   1438.5
  20.0   -1.82   -1.82   33.31   26.81   122.8   0.027   1438.8
  25.0   -1.83   -1.83   33.38   26.86   117.5   0.033   1438.9
  30.0   -1.83   -1.83   33.41   26.89   114.8   0.039   1439.0
  35.0   -1.83   -1.83   33.42   26.90   114.2   0.045   1439.1
  40.0   -1.83   -1.83   33.44   26.91   112.6   0.051   1439.3
  45.0   -1.83   -1.83   33.52   26.98   106.7   0.056   1439.4
  50.0   -1.83   -1.83   33.59   27.04   100.8   0.062   1439.6
  55.0   -1.84   -1.84   33.62   27.06    98.9   0.067   1439.7
  60.0   -1.84   -1.84   33.65   27.08    96.4   0.072   1439.8
  65.0   -1.82   -1.82   33.70   27.12    92.7   0.076   1440.1
  70.0   -1.80   -1.81   33.76   27.17    88.1   0.081   1440.3
  75.0   -1.80   -1.80   33.81   27.22    83.8   0.085   1440.5
  80.0   -1.79   -1.79   33.85   27.25    80.8   0.089   1440.7
  85.0   -1.80   -1.80   33.89   27.28    77.5   0.093   1440.8
  90.0   -1.79   -1.79   33.94   27.32    74.1   0.097   1441.0
  95.0   -1.78   -1.78   33.98   27.35    70.8   0.101   1441.2
 100.0   -1.78   -1.79   34.02   27.38    68.0   0.104   1441.3
 110.0   -1.77   -1.77   34.09   27.44    62.6   0.111   1441.6
 120.0   -1.64   -1.64   34.13   27.47    59.2   0.117   1442.4
 130.0   -1.54   -1.54   34.24   27.56    51.3   0.123   1443.3
 140.0   -1.42   -1.42   34.31   27.61    46.4   0.128   1444.1
 150.0   -1.31   -1.31   34.35   27.64    43.8   0.132   1444.8
 160.0   -0.99   -1.00   34.41   27.68    40.1   0.136   1446.6
 170.0   -0.64   -0.64   34.48   27.72    36.2   0.140   1448.5
 180.0   -0.36   -0.37   34.53   27.75    33.7   0.144   1450.0
 190.0   -0.22   -0.22   34.56   27.77    32.0   0.147   1450.9
 200.0    0.06    0.05   34.62   27.80    29.3   0.150   1452.4
 210.0    0.22    0.22   34.67   27.83    26.6   0.153   1453.3
 220.0    0.49    0.49   34.71   27.85    24.7   0.156   1454.8
 230.0    0.54    0.53   34.74   27.87    23.0   0.158   1455.2
 240.0    1.21    1.20   34.82   27.88    21.8   0.160   1458.5
 250.0    1.47    1.46   34.87   27.91    19.9   0.163   1459.9
 260.0    1.63    1.62   34.88   27.91    20.1   0.165   1460.8
 270.0    1.83    1.81   34.92   27.92    19.1   0.167   1461.9
 280.0    1.68    1.67   34.90   27.92    19.0   0.168   1461.4
 290.0    1.51    1.50   34.89   27.92    18.6   0.170   1460.8
 300.0    1.58    1.56   34.91   27.94    17.4   0.172   1461.2
 310.0    1.44    1.43   34.90   27.93    17.4   0.174   1460.8
 320.0    1.34    1.33   34.89   27.93    17.5   0.176   1460.5
 330.0    1.07    1.06   34.88   27.94    16.2   0.177   1459.5
 340.0    1.23    1.21   34.90   27.95    15.8   0.179   1460.3
 350.0    1.32    1.30   34.93   27.96    14.6   0.181   1461.0
 360.0    1.32    1.30   34.93   27.96    14.7   0.182   1461.1
 370.0    1.26    1.24   34.93   27.97    14.3   0.184   1461.0
 380.0    1.19    1.17   34.92   27.97    14.0   0.185   1460.8
 390.0    1.12    1.10   34.92   27.97    13.9   0.186   1460.7
 400.0    1.07    1.05   34.91   27.97    13.8   0.188   1460.7
 410.0    1.02    1.00   34.91   27.97    13.5   0.189   1460.6
 420.0    1.02    1.00   34.92   27.98    13.4   0.191   1460.8
 430.0    0.99    0.97   34.92   27.98    13.1   0.192   1460.8
 440.0    0.99    0.96   34.92   27.98    12.9   0.193   1460.9
 450.0    1.00    0.98   34.92   27.99    12.6   0.194   1461.2
 460.0    1.00    0.98   34.93   27.99    12.5   0.196   1461.4
 470.0    0.98    0.95   34.93   27.99    12.4   0.197   1461.4
 480.0    0.95    0.93   34.92   27.99    12.3   0.198   1461.5
 490.0    0.93    0.91   34.93   27.99    12.1   0.200   1461.5
 490.1    0.93    0.91   34.93   27.99    12.1   0.200   1461.5
```

```
 FRAM 3  STATION  40(1) CTD  15/APR/1981 1021 GMT  CODE = 5
LAT = 82.9825N LNG =    6.9517E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BARUM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.83   -1.83   33.13   26.66   137.0   0.000   1438.2
   4.0   -1.83   -1.83   33.13   26.66   137.0   0.005   1438.2
   5.0   -1.83   -1.83   33.14   26.67   136.2   0.007   1438.3
  10.0   -1.83   -1.83   33.19   26.71   132.5   0.014   1438.4
  15.0   -1.83   -1.83   33.23   26.74   128.9   0.020   1438.6
  20.0   -1.83   -1.83   33.28   26.78   125.1   0.027   1438.7
  25.0   -1.83   -1.83   33.33   26.82   121.4   0.033   1438.9
  30.0   -1.83   -1.83   33.37   26.86   117.8   0.039   1439.0
  35.0   -1.83   -1.83   33.42   26.90   114.1   0.045   1439.2
  40.0   -1.83   -1.83   33.47   26.94   110.0   0.051   1439.3
  45.0   -1.83   -1.83   33.55   27.00   104.4   0.056   1439.5
  50.0   -1.83   -1.83   33.60   27.05   100.1   0.061   1439.7
  55.0   -1.83   -1.83   33.64   27.07    97.5   0.066   1439.8
  60.0   -1.82   -1.82   33.67   27.10    95.2   0.071   1440.0
  65.0   -1.80   -1.80   33.70   27.12    92.7   0.076   1440.2
  70.0   -1.79   -1.79   33.76   27.17    87.9   0.080   1440.4
  75.0   -1.79   -1.79   33.81   27.21    84.2   0.085   1440.6
  80.0   -1.78   -1.79   33.84   27.24    81.5   0.089   1440.7
  85.0   -1.79   -1.79   33.90   27.28    77.3   0.093   1440.8
  90.0   -1.78   -1.78   33.95   27.33    73.3   0.097   1441.0
  95.0   -1.77   -1.77   33.98   27.35    70.6   0.100   1441.2
 100.0   -1.77   -1.77   34.01   27.37    68.6   0.104   1441.3
 110.0   -1.73   -1.73   34.06   27.42    64.7   0.111   1441.7
 120.0   -1.61   -1.61   34.14   27.48    58.9   0.117   1442.6
 130.0   -1.50   -1.51   34.23   27.55    52.3   0.122   1443.4
 140.0   -1.40   -1.41   34.30   27.60    47.2   0.127   1444.1
 150.0   -1.24   -1.25   34.33   27.62    45.7   0.132   1445.1
 160.0   -0.92   -0.93   34.38   27.64    43.2   0.137   1446.8
 170.0   -0.57   -0.58   34.44   27.68    40.0   0.141   1448.7
 180.0   -0.33   -0.34   34.50   27.72    36.3   0.145   1450.1
 190.0   -0.14   -0.15   34.53   27.74    34.8   0.148   1451.2
 200.0    0.08    0.07   34.59   27.77    31.4   0.152   1452.4
 210.0    0.28    0.27   34.64   27.80    29.1   0.155   1453.6
 220.0    0.47    0.46   34.69   27.83    26.2   0.158   1454.7
 230.0    0.69    0.68   34.67   27.80    29.0   0.160   1455.8
 240.0    1.23    1.21   34.82   27.88    21.9   0.163   1458.6
 250.0    1.58    1.57   34.81   27.85    25.0   0.165   1460.3
 260.0    1.61    1.59   34.89   27.91    19.2   0.168   1460.7
 270.0    1.83    1.82   34.90   27.91    20.1   0.170   1461.8
 280.0    1.67    1.66   34.91   27.93    18.3   0.171   1461.3
 290.0    1.51    1.50   34.90   27.93    18.1   0.173   1460.8
 300.0    1.57    1.55   34.92   27.94    17.1   0.175   1461.2
 310.0    1.38    1.36   34.93   27.96    15.0   0.177   1460.6
 320.0    1.26    1.25   34.91   27.96    15.3   0.178   1460.2
 330.0    1.11    1.10   34.85   27.92    18.4   0.180   1459.6
 340.0    1.21    1.19   34.91   27.96    15.0   0.182   1460.3
 350.0    1.34    1.32   34.91   27.95    15.7   0.183   1461.0
 360.0    1.32    1.30   34.93   27.97    14.5   0.185   1461.1
 370.0    1.26    1.24   34.92   27.97    14.5   0.186   1461.0
 380.0    1.18    1.16   34.91   27.96    14.7   0.188   1460.8
 390.0    1.12    1.10   34.92   27.97    14.1   0.189   1460.7
 400.0    1.07    1.05   34.91   27.97    13.9   0.191   1460.6
 410.0    1.02    1.00   34.91   27.97    13.8   0.192   1460.6
 420.0    1.02    1.00   34.91   27.97    13.9   0.193   1460.8
 430.0    0.99    0.97   34.91   27.97    13.7   0.195   1460.8
 440.0    0.99    0.97   34.91   27.97    13.9   0.196   1461.0
 450.0    1.01    0.99   34.92   27.98    13.2   0.198   1461.2
 460.0    1.00    0.98   34.92   27.98    12.9   0.199   1461.3
 470.0    0.98    0.95   34.93   27.99    12.1   0.200   1461.4
 480.0    0.96    0.94   34.91   27.98    13.4   0.201   1461.5
 488.1    0.94    0.91   34.93   27.99    12.1   0.202   1461.5
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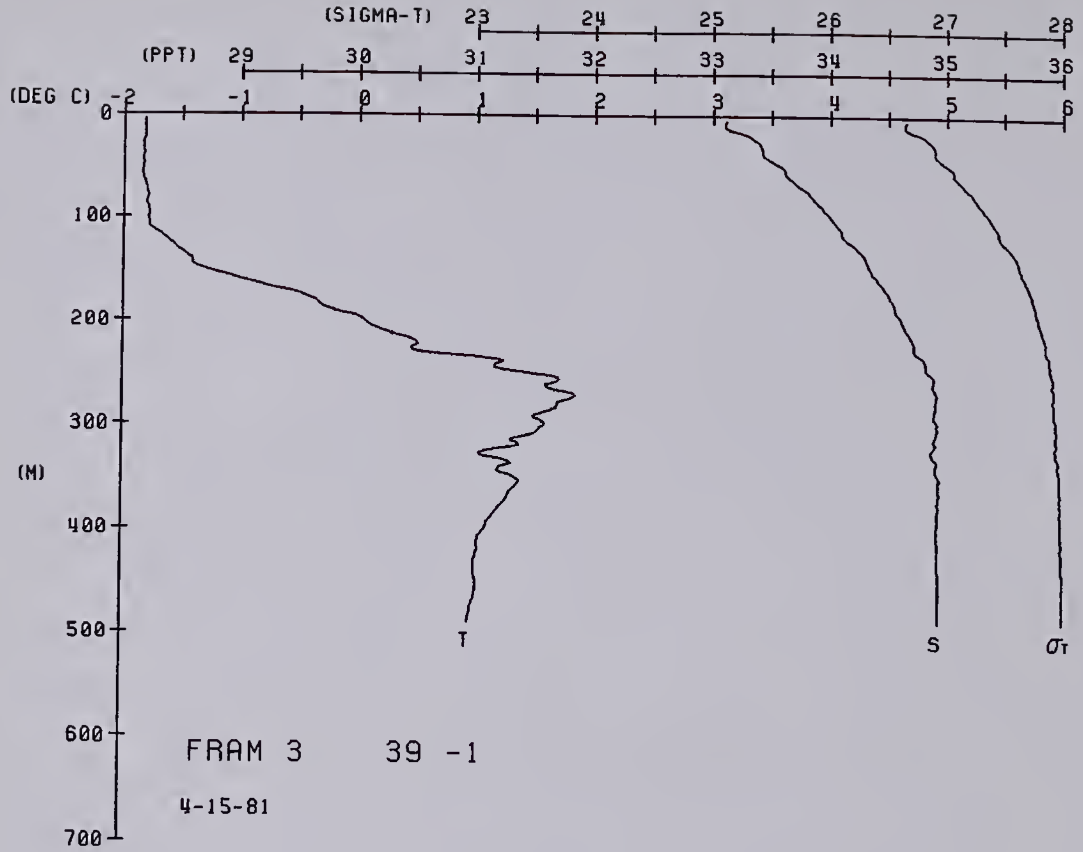
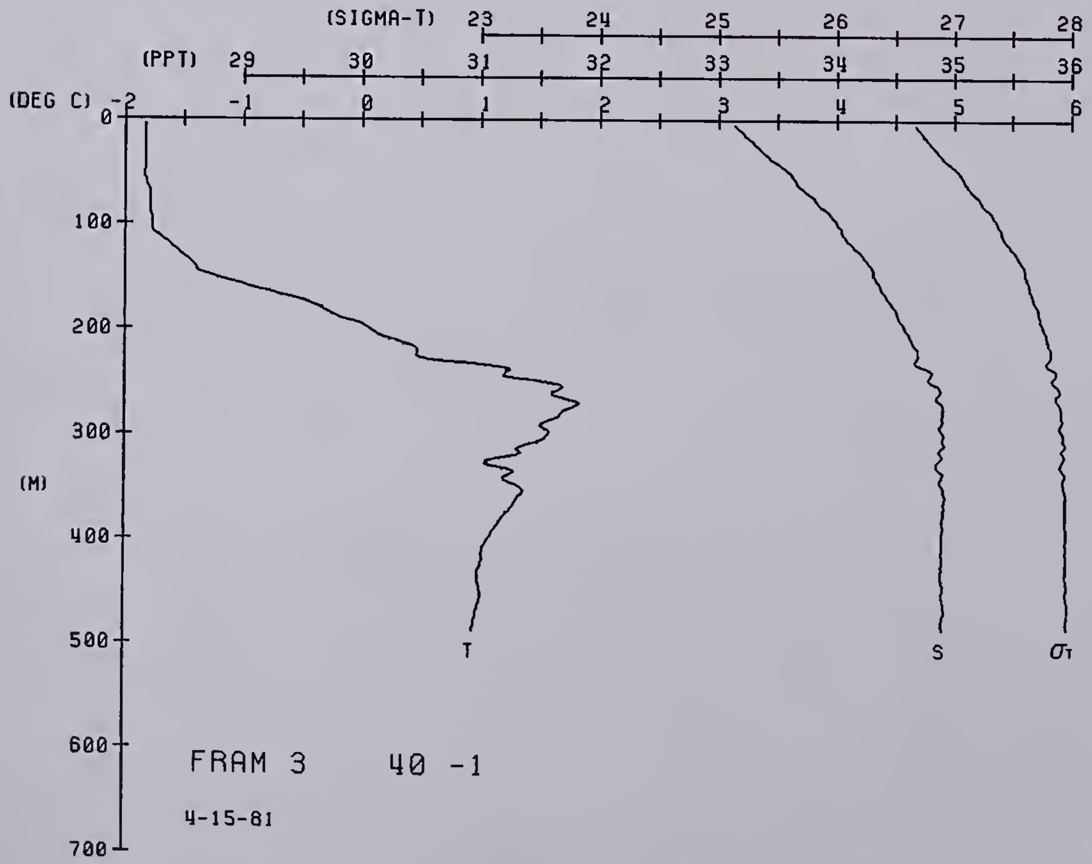


FRAM 3 39 -1

4-15-81



FRAM 3 40 -1

4-15-81

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                                              FRAM 3  STATION  41(1) CTD  15/APR/1981 1402 GMT  CODE = 5
                                              LAT = 82.9767N LNG =   6.9643E LTER =    30. LGER =    30.
                                              AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

  DEPTH     TEMP    PTEMP    SALIN    SIG T    SPVOL    DYNHT    SOUND          DEPTH     TEMP    PTEMP    SALIN    SIG T    SPVOL    DYNHT    SOUND

    0.0    -1.60    -1.60    32.79    26.38    163.3    0.000   1438.8          710.0     0.38     0.35    34.91    28.02      9.2    0.225   1462.7
    4.0    -1.60    -1.60    32.79    26.38    163.2    0.007   1438.8          740.0     0.31     0.27    34.91    28.02      8.7    0.228   1462.9
    5.0    -1.66    -1.66    32.86    26.44    157.7    0.008   1438.6          790.0     0.18     0.14    34.91    28.02      8.1    0.232   1463.1
   10.0    -1.82    -1.82    33.05    26.59    143.4    0.016   1438.3          840.0     0.08     0.04    34.90    28.02      8.0    0.236   1463.5
   15.0    -1.82    -1.82    33.17    26.69    133.6    0.023   1438.5          890.0    -0.03    -0.07    34.90    28.03      7.3    0.240   1463.9
   20.0    -1.84    -1.84    33.34    26.83    120.7    0.029   1438.7          940.0    -0.11    -0.15    34.90    28.03      6.9    0.243   1464.3
   25.0    -1.83    -1.83    33.39    26.87    117.0    0.035   1438.9          990.0    -0.19    -0.23    34.89    28.03      6.7    0.247   1464.8
   30.0    -1.84    -1.84    33.42    26.90    114.0    0.041   1439.0         1040.0    -0.25    -0.30    34.89    28.03      6.0    0.250   1465.4
   35.0    -1.84    -1.84    33.44    26.91    112.7    0.047   1439.1         1090.0    -0.31    -0.35    34.89    28.03      6.0    0.253   1465.9
   40.0    -1.84    -1.84    33.48    26.95    109.6    0.052   1439.3         1140.0    -0.35    -0.41    34.89    28.03      5.6    0.256   1466.6
   45.0    -1.84    -1.84    33.56    27.01    103.6    0.058   1439.5         1190.0    -0.41    -0.46    34.89    28.04      5.2    0.259   1467.2
   50.0    -1.84    -1.84    33.61    27.05     99.2    0.063   1439.6         1240.0    -0.44    -0.50    34.88    28.04      5.0    0.262   1467.8
   55.0    -1.83    -1.83    33.66    27.09     96.0    0.068   1439.8         1290.0    -0.50    -0.56    34.88    28.04      4.8    0.264   1468.4
   60.0    -1.82    -1.82    33.69    27.12     93.3    0.073   1440.0         1340.0    -0.55    -0.61    34.88    28.04      4.5    0.266   1469.0
   65.0    -1.82    -1.82    33.72    27.14     90.6    0.077   1440.1         1390.0    -0.56    -0.63    34.87    28.03      4.7    0.269   1469.8
   70.0    -1.81    -1.81    33.76    27.18     87.5    0.082   1440.3         1440.0    -0.60    -0.66    34.87    28.03      4.4    0.271   1470.5
   75.0    -1.80    -1.80    33.81    27.22     83.8    0.086   1440.5         1459.0    -0.62    -0.68    34.88    28.04      4.0    0.272   1470.8
   80.0    -1.79    -1.79    33.85    27.25     80.6    0.090   1440.7
   85.0    -1.77    -1.78    33.89    27.28     77.5    0.094   1440.9
   90.0    -1.76    -1.77    33.94    27.32     74.0    0.098   1441.1
   95.0    -1.76    -1.76    33.97    27.34     71.6    0.102   1441.3
  100.0    -1.78    -1.78    34.02    27.38     68.1    0.105   1441.3
  110.0    -1.79    -1.79    34.07    27.43     63.6    0.112   1441.5
  120.0    -1.69    -1.69    34.14    27.48     58.5    0.118   1442.2
  130.0    -1.56    -1.56    34.21    27.54     53.3    0.124   1443.1
  140.0    -1.48    -1.48    34.28    27.58     48.6    0.129   1443.7
  150.0    -1.37    -1.37    34.34    27.63     44.4    0.134   1444.5
  160.0    -1.13    -1.14    34.39    27.66     41.5    0.138   1445.8
  170.0    -0.83    -0.84    34.44    27.69     38.6    0.142   1447.5
  180.0    -0.48    -0.49    34.51    27.73     35.0    0.146   1449.4
  190.0    -0.11    -0.12    34.57    27.77     31.9    0.149   1451.3
  200.0     0.02     0.01    34.60    27.78     30.4    0.152   1452.2
  210.0     0.18     0.17    34.66    27.82     27.1    0.155   1453.1
  220.0     0.42     0.41    34.70    27.84     25.2    0.158   1454.5
  230.0     1.08     1.07    34.81    27.89     21.5    0.160   1457.7
  240.0     1.71     1.70    34.87    27.89     21.5    0.162   1460.8
  250.0     1.75     1.73    34.90    27.91     19.9    0.165   1461.1
  260.0     1.81     1.80    34.91    27.91     19.3    0.167   1461.6
  270.0     1.77     1.76    34.91    27.92     19.1    0.168   1461.6
  280.0     1.71     1.70    34.91    27.92     18.4    0.170   1461.5
  290.0     1.66     1.65    34.92    27.93     17.8    0.172   1461.5
  300.0     1.63     1.61    34.92    27.94     17.2    0.174   1461.5
  310.0     1.55     1.53    34.92    27.94     17.0    0.176   1461.3
  320.0     1.53     1.51    34.92    27.94     16.6    0.177   1461.4
  330.0     1.44     1.42    34.92    27.95     15.8    0.179   1461.2
  340.0     1.39     1.38    34.92    27.95     15.8    0.181   1461.1
  350.0     1.39     1.37    34.93    27.96     15.2    0.182   1461.3
  360.0     1.34     1.32    34.93    27.96     14.8    0.184   1461.2
  370.0     1.29     1.27    34.93    27.97     14.4    0.185   1461.1
  380.0     1.20     1.18    34.92    27.96     14.5    0.187   1460.9
  390.0     1.14     1.12    34.92    27.97     14.2    0.188   1460.8
  400.0     1.07     1.05    34.91    27.97     13.8    0.190   1460.7
  410.0     1.06     1.04    34.92    27.97     13.6    0.191   1460.8
  420.0     1.02     1.00    34.92    27.98     13.4    0.192   1460.8
  430.0     1.00     0.98    34.92    27.98     13.2    0.194   1460.8
  440.0     1.00     0.97    34.92    27.98     12.9    0.195   1461.0
  450.0     1.00     0.97    34.92    27.98     12.7    0.196   1461.2
  460.0     1.01     0.99    34.93    27.99     12.7    0.198   1461.4
  470.0     0.98     0.96    34.92    27.99     12.5    0.199   1461.4
  480.0     0.95     0.92    34.92    27.99     12.3    0.200   1461.4
  490.0     0.93     0.90    34.92    27.99     12.2    0.201   1461.5
  500.0     0.90     0.88    34.92    27.99     12.0    0.203   1461.6
  530.0     0.89     0.86    34.93    28.00     11.6    0.206   1462.0
  560.0     0.86     0.83    34.93    28.00     11.0    0.210   1462.4
  590.0     0.75     0.72    34.93    28.00     10.7    0.213   1462.4
  620.0     0.65     0.62    34.93    28.01     10.3    0.216   1462.5
  650.0     0.56     0.53    34.92    28.01      9.9    0.219   1462.5
  680.0     0.46     0.43    34.92    28.02      9.3    0.222   1462.6
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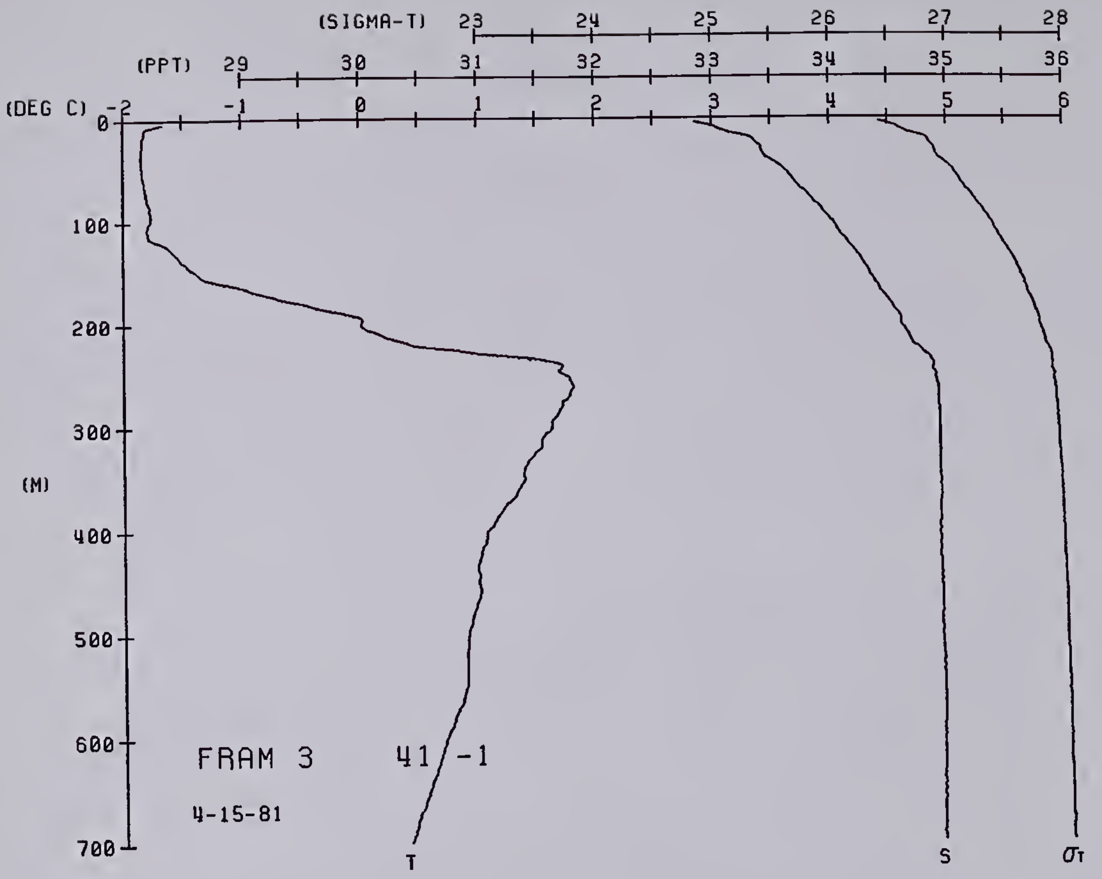
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200
300
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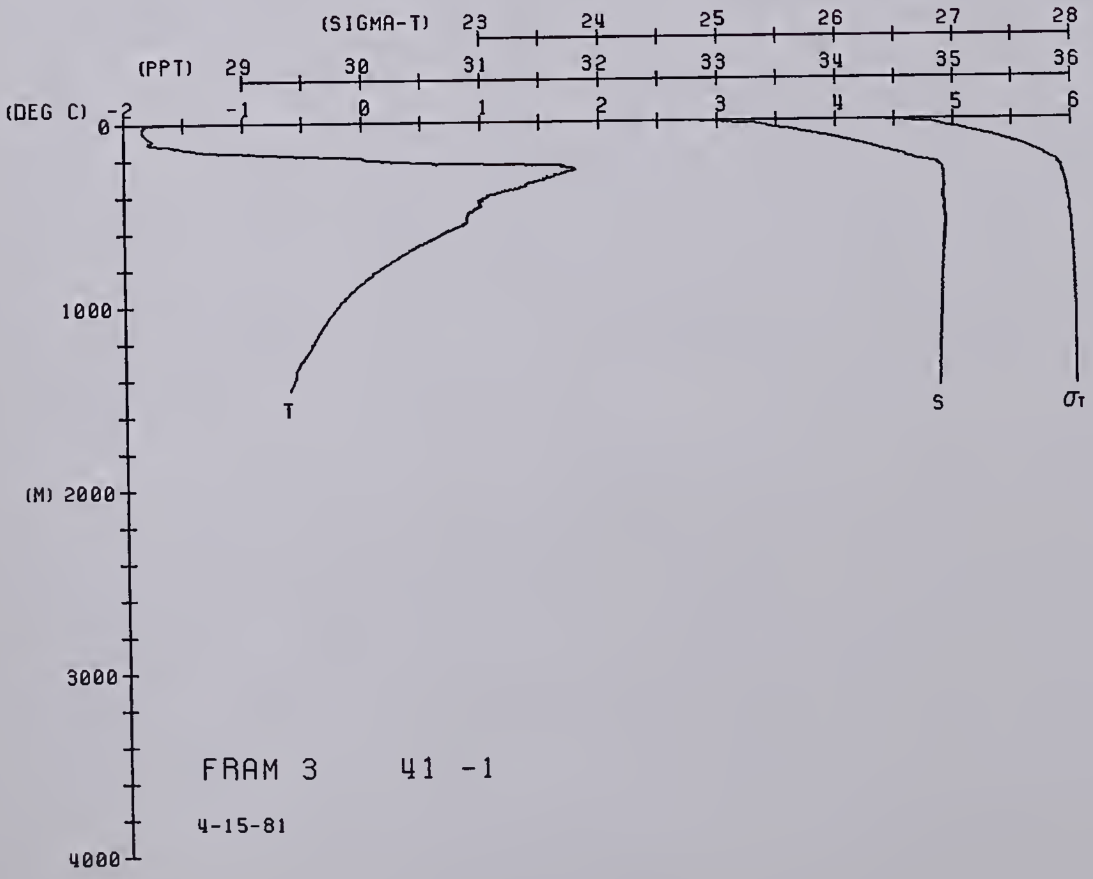
600
700
FRAM 3 41 -1
4-15-81
T
S
σT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(M) 2000
3000
4000
FRAM 3 41 -1
4-15-81
T
S
σT

```
 FRAM 3  STATION  42(1) CTD  15/APR/1981 1410 GMT  CODE = 5
LAT = 83.0767N LNG =   0.0500W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.76  -1.76  32.20  25.90  208.8  0.000  1437.1
   4.0  -1.76  -1.77  32.20  25.90  208.7  0.008  1437.2
   5.0  -1.76  -1.77  32.20  25.91  208.5  0.011  1437.2
  10.0  -1.76  -1.77  32.21  25.91  208.0  0.021  1437.3
  15.0  -1.77  -1.77  32.23  25.92  206.7  0.032  1437.4
  20.0  -1.77  -1.77  32.24  25.93  205.8  0.042  1437.5
  25.0  -1.77  -1.77  32.24  25.93  205.7  0.052  1437.6
  30.0  -1.77  -1.77  32.24  25.93  205.6  0.063  1437.7
  35.0  -1.77  -1.77  32.26  25.95  203.9  0.073  1437.8
  40.0  -1.77  -1.77  32.38  26.05  194.7  0.083  1438.0
  45.0  -1.76  -1.76  32.50  26.15  185.4  0.093  1438.3
  50.0  -1.75  -1.75  32.67  26.29  171.8  0.102  1438.7
  55.0  -1.73  -1.73  32.90  26.47  154.7  0.110  1439.2
  60.0  -1.71  -1.71  33.14  26.67  136.0  0.117  1439.7
  65.0  -1.70  -1.70  33.37  26.85  118.3  0.124  1440.2
  70.0  -1.71  -1.71  33.55  27.00  104.5  0.129  1440.5
  75.0  -1.73  -1.73  33.70  27.12   92.7  0.134  1440.7
  80.0  -1.74  -1.74  33.79  27.20   85.4  0.139  1440.9
  85.0  -1.73  -1.73  33.89  27.27   78.3  0.143  1441.1
  90.0  -1.71  -1.71  33.95  27.33   73.1  0.147  1441.4
  95.0  -1.66  -1.67  34.03  27.39   67.5  0.150  1441.8
 100.0  -1.63  -1.63  34.10  27.45   62.0  0.154  1442.1
 110.0  -1.58  -1.58  34.19  27.52   55.3  0.160  1442.7
 120.0  -1.47  -1.47  34.27  27.58   49.5  0.165  1443.5
 130.0  -1.36  -1.36  34.32  27.61   46.1  0.170  1444.2
 140.0  -1.15  -1.15  34.37  27.65   42.9  0.174  1445.4
 150.0  -0.91  -0.91  34.43  27.69   39.2  0.178  1446.8
 160.0  -0.68  -0.69  34.47  27.71   37.2  0.182  1448.1
 170.0  -0.39  -0.39  34.54  27.76   32.8  0.186  1449.7
 180.0  -0.19  -0.20  34.57  27.77   31.5  0.189  1450.8
 190.0  -0.01  -0.02  34.62  27.80   29.2  0.192  1451.9
 200.0   0.19   0.18  34.66  27.82   26.7  0.195  1453.0
 210.0   0.44   0.43  34.70  27.84   25.0  0.198  1454.4
 220.0   0.64   0.63  34.77  27.88   21.5  0.200  1455.5
 230.0   0.81   0.80  34.80  27.90   20.1  0.202  1456.5
 240.0   0.99   0.98  34.83  27.91   19.3  0.204  1457.5
 250.0   1.09   1.08  34.87  27.94   16.8  0.206  1458.2
 260.0   1.08   1.06  34.88  27.95   15.8  0.208  1458.3
 270.0   1.01   1.00  34.88  27.95   15.5  0.209  1458.2
 280.0   1.02   1.01  34.88  27.94   16.0  0.211  1458.4
 290.0   1.12   1.11  34.90  27.96   14.9  0.212  1459.0
 300.0   1.16   1.15  34.93  27.98   12.8  0.214  1459.4
 310.0   1.17   1.15  34.93  27.98   13.2  0.215  1459.6
 320.0   1.14   1.12  34.93  27.98   12.6  0.216  1459.6
 330.0   1.09   1.07  34.94  27.99   12.1  0.218  1459.6
 340.0   1.01   0.99  34.93  27.99   12.2  0.219  1459.4
 350.0   0.97   0.96  34.91  27.98   13.0  0.220  1459.4
 360.0   0.94   0.92  34.93  27.99   11.6  0.221  1459.4
 370.0   0.95   0.93  34.92  27.99   12.3  0.223  1459.6
 380.0   1.00   0.98  34.93  27.99   12.2  0.224  1460.0
 390.0   1.00   0.99  34.94  28.00   11.1  0.225  1460.2
 400.0   0.98   0.96  34.95  28.01   10.2  0.226  1460.3
 410.0   0.95   0.93  34.94  28.00   10.7  0.227  1460.3
 420.0   0.92   0.90  34.94  28.00   10.7  0.228  1460.4
 430.0   0.88   0.86  34.94  28.01   10.5  0.229  1460.3
 440.0   0.88   0.85  34.94  28.01   10.4  0.230  1460.5
 450.0   0.85   0.83  34.94  28.01   10.4  0.231  1460.5
 460.0   0.84   0.82  34.93  28.00   10.7  0.232  1460.7
 470.0   0.85   0.83  34.94  28.01   10.5  0.234  1460.9
 480.0   0.86   0.84  34.95  28.02    9.7  0.235  1461.1
 490.0   0.86   0.84  34.95  28.01    9.8  0.236  1461.3
 500.0   0.86   0.83  34.95  28.01    9.9  0.237  1461.4
 500.0   0.86   0.83  34.95  28.01    9.9  0.237  1461.4
```

```
 FRAM 3  STATION  43(1) CTD  15/APR/1981 1513 GMT  CODE = 5
LAT = 83.0883N LNG =   2.3000E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.82  -1.82  32.60  26.23  178.2  0.000  1437.5
   4.0  -1.82  -1.82  32.60  26.23  178.2  0.007  1437.5
   5.0  -1.81  -1.81  32.59  26.22  178.3  0.009  1437.5
  10.0  -1.80  -1.81  32.59  26.22  178.9  0.018  1437.7
  15.0  -1.81  -1.81  32.63  26.25  175.6  0.027  1437.8
  20.0  -1.82  -1.82  32.66  26.28  173.3  0.036  1437.9
  25.0  -1.82  -1.82  32.69  26.30  170.6  0.045  1438.0
  30.0  -1.83  -1.83  32.76  26.36  165.1  0.053  1438.1
  35.0  -1.83  -1.83  32.79  26.39  162.6  0.061  1438.3
  40.0  -1.83  -1.83  32.86  26.45  157.1  0.069  1438.4
  45.0  -1.84  -1.84  33.00  26.55  146.7  0.077  1438.7
  50.0  -1.82  -1.82  33.20  26.72  131.2  0.084  1439.1
  55.0  -1.82  -1.82  33.33  26.83  120.8  0.090  1439.4
  60.0  -1.81  -1.81  33.44  26.92  112.3  0.096  1439.7
  65.0  -1.81  -1.81  33.58  27.02  102.0  0.102  1439.9
  70.0  -1.80  -1.80  33.67  27.10   94.5  0.107  1440.2
  75.0  -1.78  -1.78  33.76  27.17   88.0  0.111  1440.5
  80.0  -1.75  -1.75  33.85  27.24   81.4  0.116  1440.9
  85.0  -1.73  -1.73  33.94  27.31   74.4  0.120  1441.2
  90.0  -1.72  -1.72  34.01  27.37   68.9  0.123  1441.4
  95.0  -1.70  -1.71  34.07  27.42   64.0  0.127  1441.6
 100.0  -1.68  -1.69  34.12  27.46   60.2  0.130  1441.9
 110.0  -1.62  -1.62  34.22  27.54   52.6  0.135  1442.5
 120.0  -1.54  -1.54  34.28  27.59   48.2  0.140  1443.1
 130.0  -1.40  -1.40  34.34  27.63   44.2  0.145  1444.0
 140.0  -1.19  -1.20  34.40  27.67   40.5  0.149  1445.3
 150.0  -0.97  -0.98  34.44  27.70   37.9  0.153  1446.5
 160.0  -0.73  -0.73  34.49  27.73   35.0  0.157  1447.9
 170.0  -0.44  -0.45  34.56  27.77   31.6  0.160  1449.5
 180.0  -0.21  -0.22  34.60  27.80   29.0  0.163  1450.8
 190.0   0.20   0.20  34.69  27.84   25.1  0.166  1452.9
 200.0   0.45   0.44  34.73  27.87   22.9  0.169  1454.3
 210.0   0.73   0.72  34.76  27.87   22.4  0.171  1455.8
 220.0   1.01   0.99  34.84  27.92   18.4  0.173  1457.3
 230.0   1.17   1.16  34.87  27.93   17.6  0.175  1458.2
 240.0   1.20   1.18  34.89  27.94   16.3  0.177  1458.5
 250.0   1.44   1.42  34.94  27.96   14.5  0.178  1459.8
 260.0   1.39   1.37  34.95  27.98   12.7  0.179  1459.8
 270.0   1.19   1.18  34.94  27.98   12.6  0.181  1459.1
 280.0   1.23   1.21  34.94  27.98   12.8  0.182  1459.4
 290.0   1.28   1.27  34.97  28.00   11.1  0.183  1459.8
 300.0   1.27   1.26  34.97  28.00   10.7  0.184  1460.0
 310.0   1.30   1.28  34.98  28.01   10.3  0.185  1460.3
 320.0   1.25   1.24  34.98  28.01    9.9  0.186  1460.2
 330.0   1.18   1.17  34.98  28.02    9.6  0.187  1460.1
 340.0   1.08   1.06  34.97  28.02    9.3  0.188  1459.8
 350.0   1.00   0.99  34.96  28.02    9.4  0.189  1459.6
 360.0   0.96   0.95  34.96  28.02    9.4  0.190  1459.6
 370.0   1.01   0.99  34.97  28.02    9.1  0.191  1459.9
 380.0   0.99   0.97  34.97  28.03    8.7  0.192  1460.1
 390.0   0.99   0.97  34.97  28.02    8.9  0.193  1460.2
 400.0   1.00   0.98  34.98  28.03    8.3  0.194  1460.4
 410.0   1.00   0.97  34.98  28.03    8.3  0.195  1460.6
 420.0   0.99   0.96  34.98  28.03    8.4  0.196  1460.7
 430.0   0.94   0.92  34.98  28.03    8.2  0.196  1460.7
 440.0   0.91   0.89  34.98  28.03    8.0  0.197  1460.7
 450.0   0.89   0.87  34.98  28.04    7.5  0.198  1460.8
 460.0   0.88   0.86  34.98  28.04    7.7  0.199  1460.9
 470.0   0.86   0.84  34.98  28.04    7.5  0.200  1461.0
 480.0   0.85   0.83  34.98  28.04    7.3  0.200  1461.1
 490.0   0.84   0.82  34.99  28.05    6.8  0.201  1461.2
 498.0   0.83   0.81  34.98  28.04    7.4  0.202  1461.3
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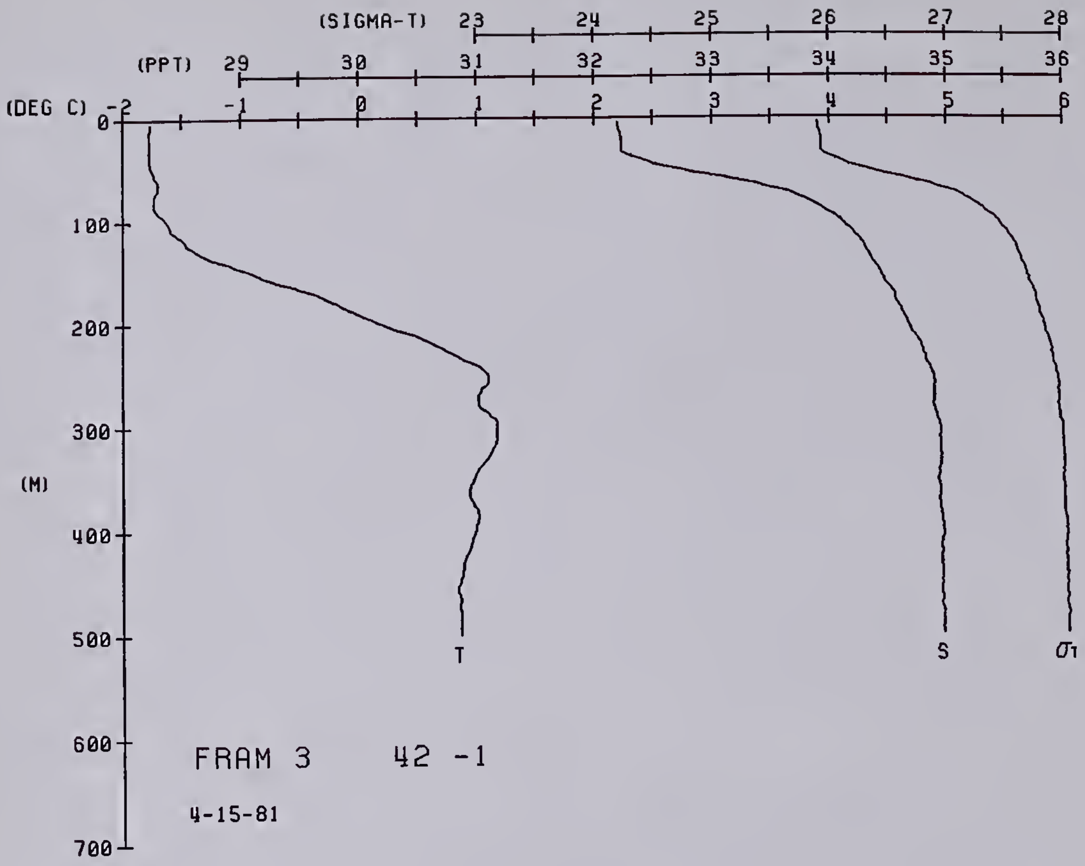
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(M)
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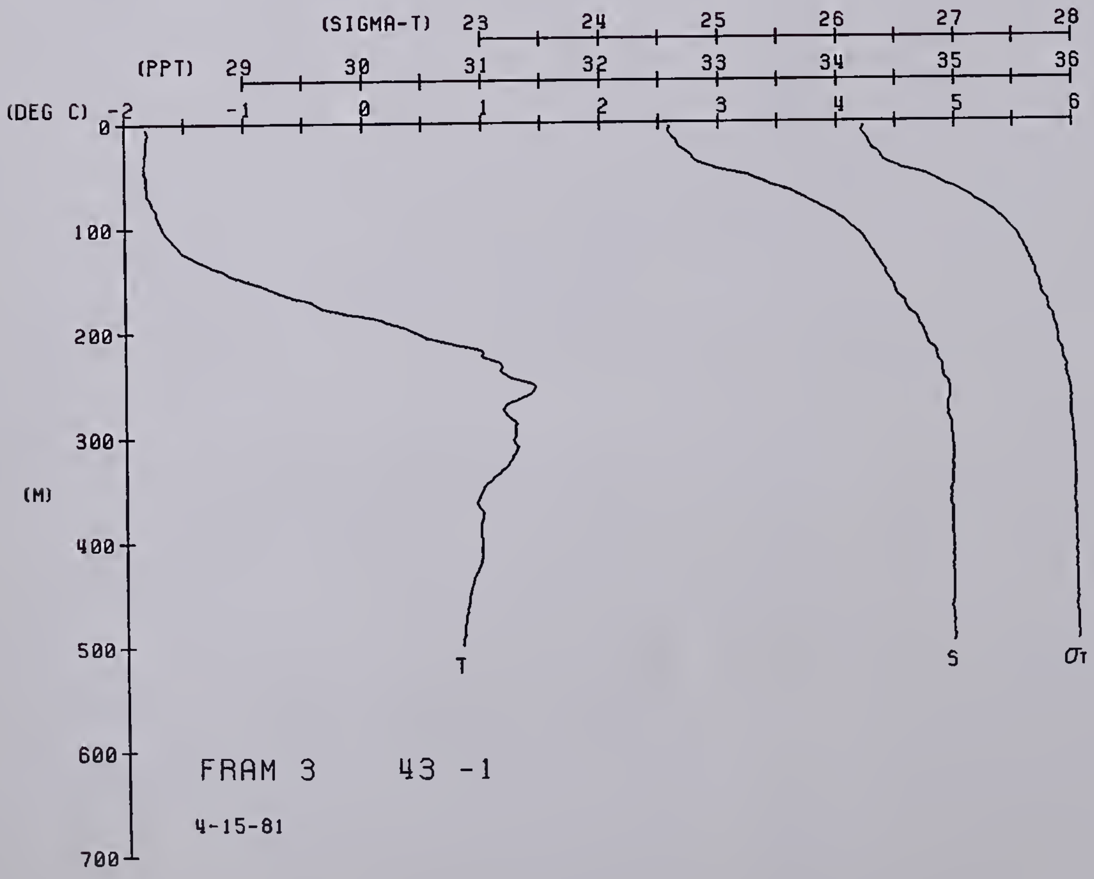
FRAM 3 42 -1
4-15-81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(DEG C) -2 -1 0 1 2 3 4 5 6
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100
200
300
(M)
400
500
600
700
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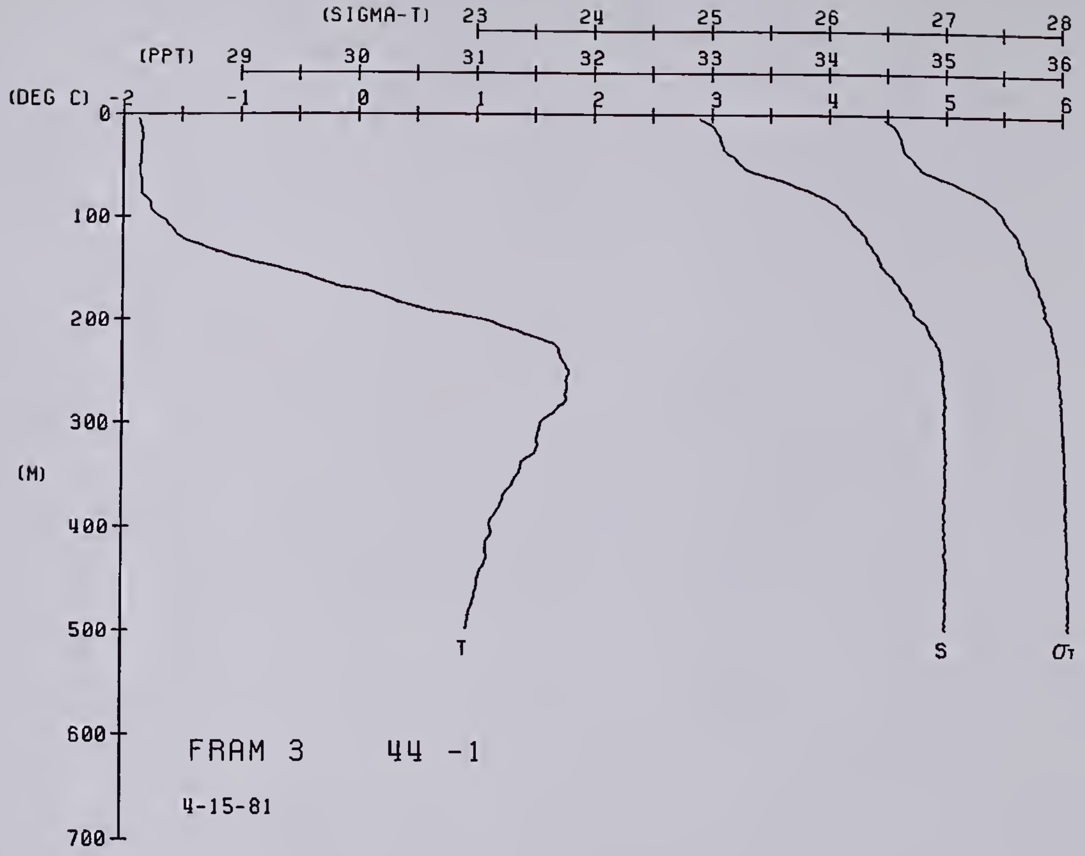
FRAM 3 43 -1
4-15-81

FRAM 3 STATION 44(1) CTD 15/APR/1981 1610 GMT CODE = 5
LAT = 83.0050N LNG = 3.9200E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.87	-1.87	32.89	26.47	155.5	0.000	1437.6
4.0	-1.87	-1.87	32.89	26.47	155.5	0.006	1437.7
5.0	-1.86	-1.86	32.90	26.48	154.2	0.008	1437.7
10.0	-1.85	-1.85	32.99	26.55	147.7	0.016	1438.0
15.0	-1.84	-1.84	33.03	26.58	144.3	0.023	1438.2
20.0	-1.84	-1.84	33.06	26.60	142.2	0.030	1438.4
25.0	-1.84	-1.84	33.08	26.62	140.9	0.037	1438.5
30.0	-1.85	-1.85	33.09	26.63	139.7	0.044	1438.5
35.0	-1.85	-1.85	33.11	26.64	138.2	0.051	1438.6
40.0	-1.85	-1.85	33.17	26.69	133.4	0.058	1438.8
45.0	-1.85	-1.85	33.22	26.73	129.6	0.065	1438.9
50.0	-1.86	-1.86	33.26	26.77	126.2	0.071	1439.0
55.0	-1.86	-1.86	33.33	26.82	121.4	0.078	1439.2
60.0	-1.85	-1.85	33.47	26.94	110.2	0.083	1439.5
65.0	-1.85	-1.85	33.62	27.06	98.9	0.089	1439.8
70.0	-1.85	-1.85	33.73	27.15	90.1	0.094	1440.1
75.0	-1.85	-1.85	33.85	27.25	80.8	0.098	1440.3
80.0	-1.82	-1.82	33.95	27.33	73.2	0.102	1440.7
85.0	-1.77	-1.77	34.02	27.39	67.6	0.105	1441.1
90.0	-1.76	-1.76	34.09	27.44	62.8	0.109	1441.3
95.0	-1.74	-1.74	34.14	27.48	59.0	0.112	1441.6
100.0	-1.68	-1.69	34.17	27.50	56.6	0.115	1442.0
110.0	-1.58	-1.59	34.25	27.56	50.7	0.120	1442.7
120.0	-1.51	-1.51	34.32	27.62	45.5	0.125	1443.3
130.0	-1.28	-1.28	34.37	27.65	42.3	0.129	1444.7
140.0	-1.01	-1.01	34.42	27.69	39.3	0.133	1446.2
150.0	-0.66	-0.66	34.47	27.71	37.1	0.137	1448.0
160.0	-0.35	-0.36	34.56	27.77	31.9	0.141	1449.7
170.0	-0.04	-0.05	34.61	27.79	29.4	0.144	1451.4
180.0	0.28	0.27	34.68	27.83	26.2	0.147	1453.1
190.0	0.57	0.56	34.72	27.84	25.0	0.149	1454.6
200.0	1.08	1.07	34.80	27.88	22.0	0.152	1457.2
210.0	1.33	1.32	34.85	27.90	19.9	0.154	1458.6
220.0	1.59	1.58	34.91	27.93	17.3	0.156	1460.0
230.0	1.70	1.69	34.94	27.95	15.8	0.157	1460.7
240.0	1.74	1.73	34.96	27.96	15.0	0.159	1461.0
250.0	1.79	1.78	34.97	27.96	14.6	0.160	1461.4
260.0	1.77	1.76	34.96	27.96	14.9	0.162	1461.5
270.0	1.76	1.75	34.98	27.98	13.6	0.163	1461.6
280.0	1.75	1.73	34.99	27.98	13.2	0.165	1461.8
290.0	1.65	1.64	34.98	27.98	13.2	0.166	1461.5
300.0	1.54	1.53	34.98	27.99	12.3	0.167	1461.2
310.0	1.52	1.51	34.99	28.00	11.6	0.169	1461.3
320.0	1.52	1.50	34.98	27.99	11.8	0.170	1461.4
330.0	1.48	1.46	34.99	28.00	11.1	0.171	1461.4
340.0	1.38	1.36	34.99	28.01	10.5	0.172	1461.1
350.0	1.35	1.33	34.98	28.01	10.5	0.173	1461.2
360.0	1.30	1.28	34.98	28.01	10.2	0.174	1461.1
370.0	1.23	1.21	34.98	28.01	10.0	0.175	1461.0
380.0	1.20	1.18	34.98	28.02	9.7	0.176	1461.0
390.0	1.14	1.12	34.98	28.02	9.7	0.177	1460.9
400.0	1.12	1.10	34.97	28.02	9.6	0.178	1461.0
410.0	1.11	1.09	34.98	28.02	9.0	0.179	1461.1
420.0	1.08	1.06	34.99	28.03	8.4	0.180	1461.1
430.0	1.09	1.07	34.98	28.02	9.0	0.181	1461.3
440.0	1.04	1.02	34.99	28.04	7.8	0.182	1461.3
450.0	1.01	0.99	34.99	28.03	8.0	0.182	1461.3
460.0	1.00	0.97	34.98	28.03	8.5	0.183	1461.4
470.0	0.98	0.96	34.98	28.03	8.1	0.184	1461.5
480.0	0.95	0.93	34.98	28.03	8.3	0.185	1461.5
490.0	0.94	0.91	34.97	28.03	8.5	0.186	1461.6
498.0	0.92	0.89	34.98	28.04	7.7	0.186	1461.7

FRAM 3 STATION 45(1) CTD 15/APR/1981 1708 GMT CODE = 5
LAT = 83.1050N LNG = 5.4500E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.06	26.61	142.0	0.000	1438.1
4.0	-1.82	-1.82	33.06	26.61	141.9	0.006	1438.2
5.0	-1.83	-1.83	33.08	26.62	140.7	0.007	1438.2
10.0	-1.84	-1.84	33.15	26.68	135.2	0.014	1438.3
15.0	-1.84	-1.84	33.21	26.72	131.0	0.021	1438.5
20.0	-1.85	-1.85	33.22	26.74	129.5	0.027	1438.5
25.0	-1.85	-1.85	33.22	26.74	129.6	0.034	1438.6
30.0	-1.85	-1.85	33.23	26.74	128.8	0.041	1438.7
35.0	-1.85	-1.85	33.23	26.74	128.7	0.047	1438.8
40.0	-1.86	-1.86	33.24	26.75	128.3	0.054	1438.8
45.0	-1.86	-1.86	33.25	26.76	127.6	0.060	1438.9
50.0	-1.86	-1.86	33.25	26.76	127.3	0.066	1439.0
55.0	-1.86	-1.86	33.34	26.83	120.5	0.073	1439.2
60.0	-1.86	-1.86	33.50	26.96	108.0	0.078	1439.5
65.0	-1.86	-1.86	33.65	27.08	96.6	0.084	1439.8
70.0	-1.86	-1.86	33.82	27.22	83.5	0.088	1440.1
75.0	-1.86	-1.86	33.93	27.31	74.5	0.092	1440.4
80.0	-1.86	-1.86	33.98	27.35	70.7	0.096	1440.6
85.0	-1.82	-1.82	34.01	27.38	68.2	0.099	1440.8
90.0	-1.80	-1.80	34.06	27.41	64.9	0.103	1441.1
95.0	-1.78	-1.78	34.09	27.44	62.7	0.106	1441.3
100.0	-1.74	-1.75	34.11	27.46	60.7	0.109	1441.6
110.0	-1.67	-1.67	34.16	27.50	57.2	0.115	1442.2
120.0	-1.53	-1.54	34.24	27.55	51.7	0.121	1443.1
130.0	-1.44	-1.44	34.30	27.60	46.8	0.126	1443.8
140.0	-1.37	-1.38	34.34	27.63	44.1	0.130	1444.3
150.0	-1.10	-1.10	34.38	27.66	41.8	0.134	1445.8
160.0	-0.85	-0.86	34.44	27.70	38.3	0.139	1447.2
170.0	-0.66	-0.67	34.49	27.73	35.5	0.142	1448.4
180.0	-0.25	-0.26	34.56	27.76	32.1	0.146	1450.5
190.0	0.06	0.06	34.62	27.80	29.4	0.149	1452.2
200.0	0.33	0.32	34.67	27.82	27.3	0.152	1453.6
210.0	0.75	0.74	34.74	27.85	24.3	0.154	1455.8
220.0	0.94	0.93	34.80	27.89	21.2	0.157	1456.9
230.0	1.09	1.08	34.80	27.88	22.0	0.159	1457.8
240.0	1.41	1.40	34.84	27.89	21.3	0.161	1459.4
250.0	1.58	1.56	34.91	27.93	17.7	0.163	1460.4
260.0	1.76	1.75	34.95	27.95	16.3	0.165	1461.5
270.0	1.74	1.73	34.96	27.96	15.0	0.166	1461.6
280.0	1.75	1.74	34.97	27.97	14.5	0.168	1461.8
290.0	1.71	1.69	34.97	27.97	13.9	0.169	1461.7
300.0	1.62	1.60	34.98	27.98	12.8	0.171	1461.5
310.0	1.51	1.49	34.97	27.98	12.9	0.172	1461.2
320.0	1.33	1.32	34.95	27.98	13.0	0.173	1460.5
330.0	1.37	1.36	34.95	27.98	13.2	0.174	1460.9
340.0	1.35	1.33	34.98	28.00	10.9	0.176	1461.0
350.0	1.34	1.32	34.96	27.99	12.1	0.177	1461.1
360.0	1.33	1.31	34.97	28.00	11.2	0.178	1461.2
370.0	1.28	1.26	34.97	28.01	10.8	0.179	1461.2
380.0	1.21	1.19	34.98	28.01	10.1	0.180	1461.0
390.0	1.13	1.11	34.97	28.01	9.8	0.181	1460.9
400.0	1.09	1.07	34.96	28.01	10.3	0.182	1460.8
410.0	1.07	1.04	34.96	28.01	10.5	0.183	1460.9
420.0	1.03	1.01	34.96	28.01	9.9	0.184	1460.9
430.0	1.00	0.98	34.96	28.01	9.9	0.185	1460.9
440.0	0.96	0.94	34.96	28.02	9.4	0.186	1460.9
450.0	0.96	0.94	34.97	28.02	8.8	0.187	1461.1
460.0	0.96	0.94	34.98	28.03	8.5	0.188	1461.3
470.0	0.95	0.92	34.97	28.02	9.0	0.189	1461.3
480.0	0.93	0.90	34.97	28.02	8.9	0.190	1461.4
490.0	0.90	0.88	34.97	28.03	8.8	0.191	1461.5
498.0	0.88	0.86	34.96	28.02	9.4	0.192	1461.5



FRAM 3 44 -1

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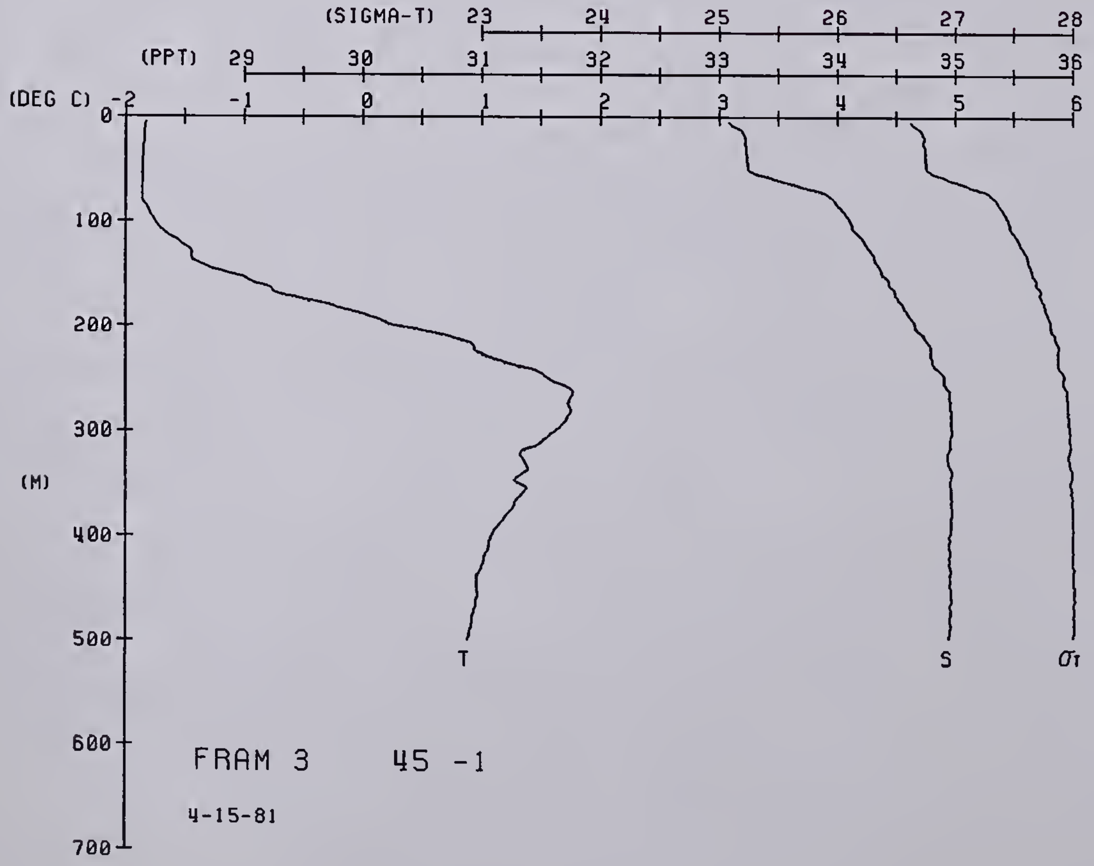

FRAM 3 45 -1

4-15-81

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                                        LAT = 82.9670N LNG =   6.9838E LTER =    30. LGER =    30.
                                        AIR TEMP =    0.0 BAROM =    0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND          DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0   -1.68   -1.68   32.88   26.45   156.6   0.000   1438.5          710.0    0.37    0.34   34.92   28.02     8.5   0.223   1462.7
   4.0   -1.68   -1.69   32.88   26.45   156.6   0.006   1438.5          740.0    0.29    0.26   34.92   28.02     8.2   0.226   1462.8
   5.0   -1.71   -1.71   32.91   26.48   154.1   0.008   1438.5          790.0    0.17    0.13   34.92   28.03     7.5   0.230   1463.1
  10.0   -1.81   -1.81   33.04   26.59   143.9   0.015   1438.3          840.0    0.06    0.03   34.91   28.03     7.4   0.234   1463.5
  15.0   -1.83   -1.83   33.20   26.72   131.5   0.022   1438.5          890.0   -0.03   -0.07   34.91   28.03     6.7   0.237   1463.9
  20.0   -1.82   -1.82   33.35   26.84   119.4   0.029   1438.8          940.0   -0.10   -0.14   34.91   28.04     6.3   0.240   1464.4
  25.0   -1.83   -1.83   33.41   26.89   115.2   0.035   1439.0          990.0   -0.17   -0.22   34.90   28.04     6.1   0.244   1464.9
  30.0   -1.84   -1.84   33.44   26.91   113.1   0.041   1439.0         1040.0   -0.24   -0.29   34.90   28.04     5.8   0.247   1465.4
  35.0   -1.84   -1.84   33.45   26.92   112.3   0.046   1439.1         1090.0   -0.30   -0.35   34.90   28.04     5.2   0.249   1466.0
  40.0   -1.83   -1.83   33.52   26.98   106.8   0.052   1439.4         1140.0   -0.35   -0.40   34.90   28.04     4.9   0.252   1466.6
  45.0   -1.84   -1.84   33.59   27.04   100.8   0.057   1439.5         1190.0   -0.40   -0.45   34.89   28.04     4.7   0.254   1467.2
  50.0   -1.84   -1.84   33.64   27.07    97.4   0.062   1439.6         1240.0   -0.44   -0.50   34.90   28.04     4.2   0.257   1467.9
  55.0   -1.83   -1.83   33.67   27.10    94.7   0.067   1439.8         1290.0   -0.49   -0.55   34.89   28.05     3.9   0.259   1468.5
  60.0   -1.83   -1.83   33.74   27.16    89.1   0.071   1440.0         1340.0   -0.53   -0.59   34.89   28.05     3.7   0.261   1469.2
  65.0   -1.85   -1.85   33.81   27.21    84.2   0.076   1440.1         1390.0   -0.58   -0.65   34.89   28.05     3.4   0.262   1469.7
  70.0   -1.85   -1.86   33.84   27.24    81.6   0.080   1440.2         1440.0   -0.61   -0.67   34.89   28.05     3.0   0.264   1470.5
  75.0   -1.86   -1.86   33.87   27.26    79.3   0.084   1440.3         1455.1   -0.62   -0.69   34.89   28.05     2.9   0.264   1470.7
  80.0   -1.86   -1.86   33.89   27.28    77.3   0.088   1440.4
  85.0   -1.86   -1.86   33.90   27.29    76.6   0.092   1440.5
  90.0   -1.86   -1.86   33.91   27.30    75.7   0.096   1440.6
  95.0   -1.85   -1.85   33.94   27.32    74.0   0.100   1440.8
 100.0   -1.83   -1.84   33.96   27.33    72.4   0.103   1440.9
 110.0   -1.75   -1.76   34.03   27.39    67.1   0.110   1441.6
 120.0   -1.78   -1.78   34.10   27.45    61.7   0.117   1441.7
 130.0   -1.59   -1.60   34.18   27.51    55.5   0.123   1442.9
 140.0   -1.49   -1.50   34.27   27.58    49.2   0.128   1443.7
 150.0   -1.37   -1.38   34.33   27.62    44.9   0.133   1444.5
 160.0   -1.16   -1.17   34.38   27.66    41.6   0.137   1445.7
 170.0   -0.82   -0.83   34.45   27.70    37.8   0.141   1447.6
 180.0   -0.53   -0.54   34.52   27.74    34.2   0.145   1449.2
 190.0   -0.10   -0.11   34.58   27.77    31.2   0.148   1451.4
 200.0    0.40    0.39   34.65   27.80    29.2   0.151   1453.9
 210.0    0.62    0.62   34.70   27.83    26.6   0.154   1455.2
 220.0    0.92    0.91   34.75   27.85    24.7   0.157   1456.8
 230.0    1.01    1.00   34.80   27.88    21.7   0.159   1457.4
 240.0    1.52    1.51   34.86   27.89    21.1   0.161   1459.9
 250.0    1.77    1.76   34.90   27.91    20.1   0.163   1461.3
 260.0    1.75    1.74   34.90   27.91    19.7   0.165   1461.3
 270.0    1.76    1.74   34.91   27.92    19.2   0.167   1461.5
 280.0    1.79    1.77   34.92   27.93    18.4   0.169   1461.8
 290.0    1.74    1.72   34.92   27.93    18.0   0.171   1461.8
 300.0    1.73    1.71   34.93   27.94    17.5   0.173   1461.9
 310.0    1.65    1.64   34.93   27.94    17.2   0.175   1461.8
 320.0    1.58    1.57   34.92   27.94    16.9   0.176   1461.6
 330.0    1.51    1.49   34.92   27.95    16.5   0.178   1461.5
 340.0    1.47    1.45   34.92   27.95    16.0   0.180   1461.4
 350.0    1.42    1.40   34.93   27.96    15.4   0.181   1461.4
 360.0    1.39    1.37   34.93   27.96    15.2   0.183   1461.4
 370.0    1.36    1.34   34.92   27.96    15.3   0.184   1461.4
 380.0    1.30    1.28   34.93   27.97    14.5   0.186   1461.4
 390.0    1.23    1.21   34.92   27.97    14.4   0.187   1461.2
 400.0    1.14    1.12   34.92   27.97    13.8   0.189   1461.0
 410.0    1.09    1.07   34.92   27.97    13.7   0.190   1460.9
 420.0    1.05    1.02   34.92   27.98    13.4   0.191   1460.9
 430.0    1.02    1.00   34.92   27.98    13.1   0.193   1461.0
 440.0    1.00    0.98   34.92   27.98    12.9   0.194   1461.0
 450.0    1.01    0.99   34.93   27.99    12.6   0.195   1461.2
 460.0    1.00    0.97   34.93   27.99    12.6   0.197   1461.3
 470.0    0.98    0.95   34.92   27.99    12.5   0.198   1461.4
 480.0    0.95    0.93   34.92   27.99    12.4   0.199   1461.5
 490.0    0.94    0.91   34.92   27.99    12.3   0.200   1461.6
 500.0    0.91    0.89   34.93   27.99    12.0   0.202   1461.6
 530.0    0.88    0.86   34.93   28.00    11.2   0.205   1462.0
 560.0    0.86    0.83   34.94   28.01    10.8   0.209   1462.4
 590.0    0.75    0.72   34.93   28.01    10.4   0.212   1462.4
 620.0    0.64    0.61   34.93   28.01     9.9   0.215   1462.4
 650.0    0.54    0.51   34.93   28.02     9.3   0.218   1462.5
 680.0    0.47    0.44   34.92   28.02     9.1   0.221   1462.6
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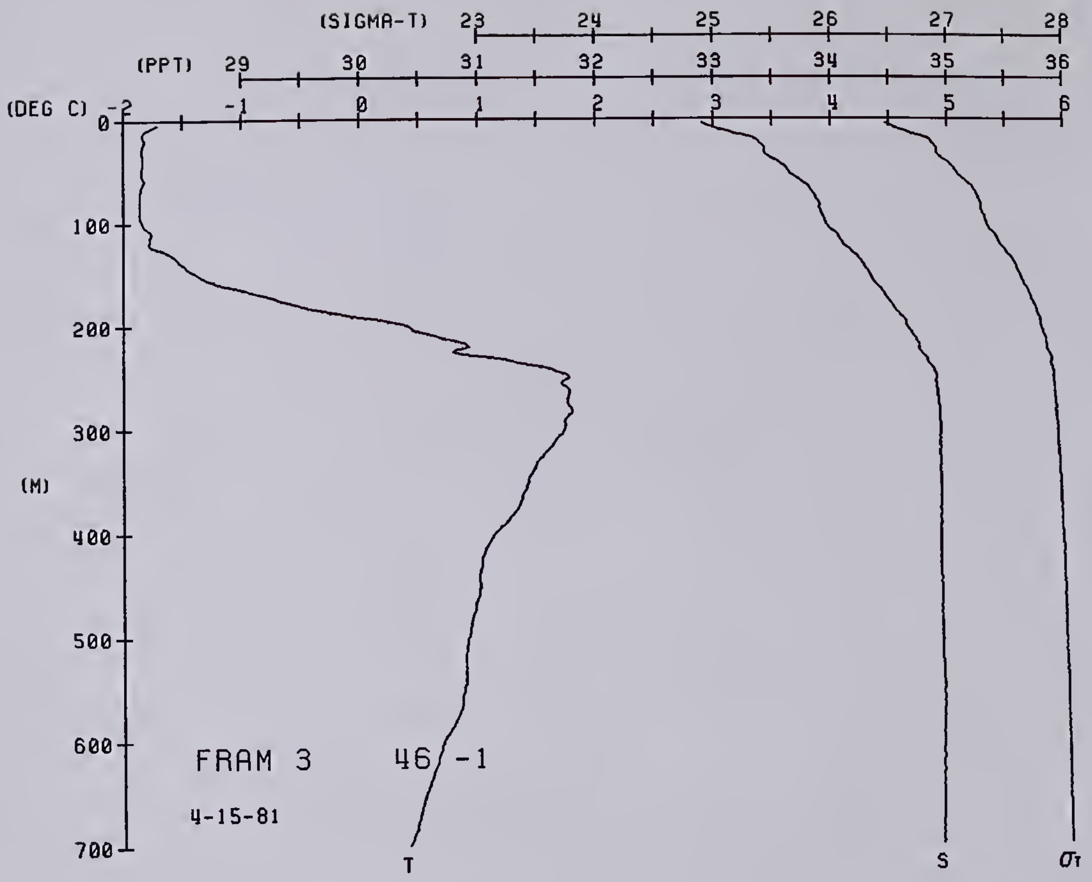
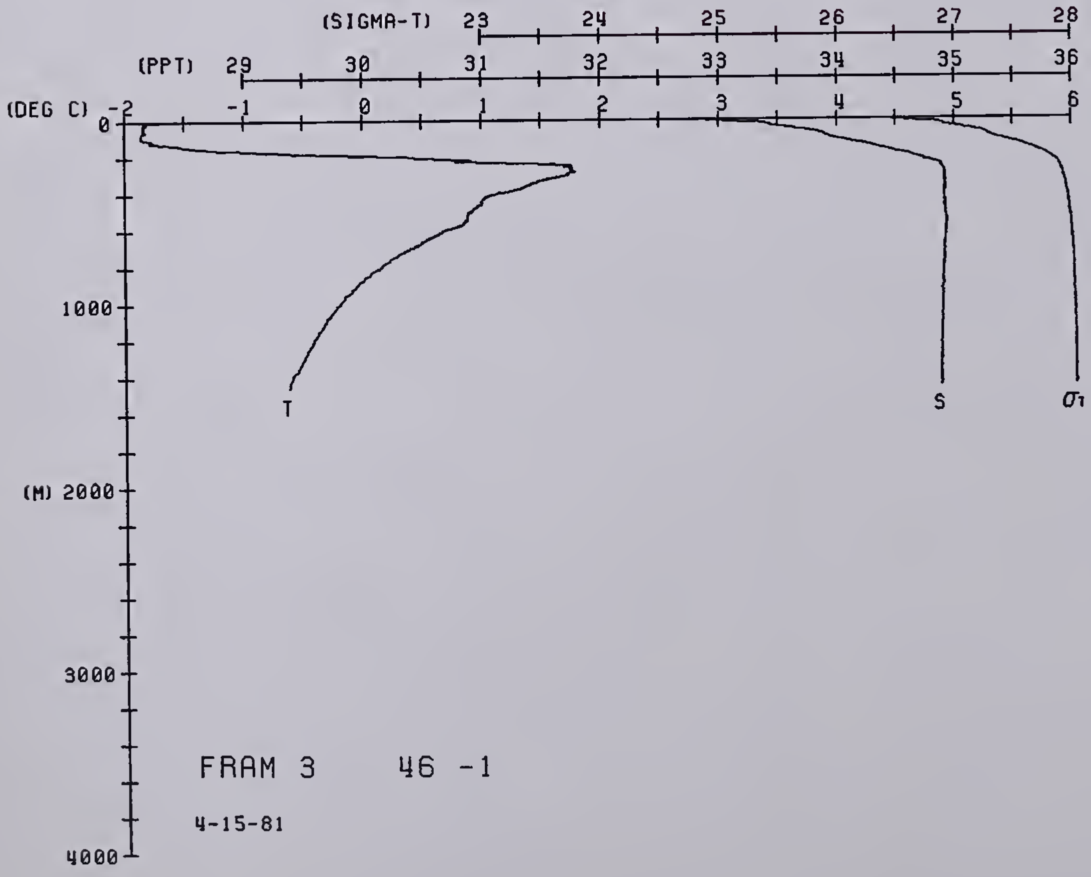

FRAM 3 46-1

4-15-81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4-15-81

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 FRAM 3  STATION  47(1) CTD  15/APR/1981 2117 GMT  CODE = 5
LAT = 83.0850N LNG =  11.9733E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   33.45   26.92   111.9   0.000   1438.7
   4.0   -1.82   -1.82   33.45   26.92   111.9   0.004   1438.7
   5.0   -1.83   -1.83   33.46   26.93   111.3   0.006   1438.7
  10.0   -1.83   -1.83   33.47   26.94   110.6   0.011   1438.8
  15.0   -1.83   -1.83   33.48   26.94   110.0   0.017   1438.9
  20.0   -1.83   -1.83   33.49   26.95   109.1   0.022   1439.0
  25.0   -1.83   -1.83   33.53   26.99   105.8   0.028   1439.1
  30.0   -1.83   -1.83   33.57   27.02   102.7   0.033   1439.3
  35.0   -1.83   -1.83   33.58   27.03   101.8   0.038   1439.4
  40.0   -1.83   -1.83   33.58   27.03   101.5   0.043   1439.4
  45.0   -1.83   -1.83   33.59   27.04   100.8   0.048   1439.5
  50.0   -1.83   -1.83   33.60   27.04   100.2   0.054   1439.6
  55.0   -1.83   -1.83   33.62   27.06    98.8   0.059   1439.7
  60.0   -1.83   -1.83   33.68   27.11    94.2   0.063   1439.9
  65.0   -1.83   -1.83   33.73   27.15    90.1   0.068   1440.1
  70.0   -1.83   -1.83   33.77   27.18    87.4   0.073   1440.2
  75.0   -1.83   -1.83   33.80   27.20    85.0   0.077   1440.3
  80.0   -1.83   -1.83   33.83   27.23    82.2   0.081   1440.5
  85.0   -1.83   -1.83   33.87   27.26    79.2   0.085   1440.6
  90.0   -1.81   -1.81   33.92   27.30    75.8   0.089   1440.9
  95.0   -1.78   -1.78   33.95   27.32    73.4   0.093   1441.1
 100.0   -1.75   -1.76   34.00   27.37    69.4   0.097   1441.4
 110.0   -1.71   -1.72   34.09   27.43    62.9   0.103   1441.9
 120.0   -1.60   -1.60   34.18   27.51    55.9   0.109   1442.7
 130.0   -1.43   -1.44   34.23   27.55    52.3   0.115   1443.7
 140.0   -1.28   -1.28   34.29   27.59    48.1   0.120   1444.7
 150.0   -1.13   -1.14   34.35   27.63    44.6   0.124   1445.6
 160.0   -0.77   -0.78   34.42   27.68    40.3   0.129   1447.6
 170.0   -0.33   -0.34   34.49   27.71    36.9   0.133   1449.9
 180.0   -0.04   -0.05   34.56   27.75    33.3   0.136   1451.5
 190.0    0.05    0.04   34.59   27.77    31.7   0.140   1452.1
 200.0    0.37    0.36   34.64   27.79    29.6   0.143   1453.8
 210.0    0.63    0.63   34.71   27.84    25.7   0.145   1455.3
 220.0    0.69    0.69   34.73   27.85    24.7   0.148   1455.7
 230.0    0.78    0.77   34.75   27.86    23.5   0.150   1456.3
 240.0    1.06    1.05   34.79   27.87    22.7   0.153   1457.8
 250.0    1.22    1.21   34.85   27.91    19.0   0.155   1458.7
 260.0    1.23    1.22   34.87   27.93    17.7   0.157   1459.0
 270.0    1.36    1.35   34.89   27.93    17.3   0.159   1459.8
 280.0    1.37    1.35   34.91   27.95    15.8   0.160   1460.0
 290.0    1.31    1.30   34.91   27.95    15.4   0.162   1459.9
 300.0    1.29    1.27   34.93   27.97    14.1   0.163   1460.0
 310.0    1.23    1.21   34.91   27.96    14.8   0.165   1459.9
 320.0    1.32    1.31   34.93   27.96    14.5   0.166   1460.5
 330.0    1.35    1.33   34.94   27.98    13.4   0.168   1460.8
 340.0    1.38    1.36   34.95   27.98    13.3   0.169   1461.1
 350.0    1.30    1.29   34.96   27.99    12.1   0.170   1460.9
 360.0    1.32    1.30   34.96   27.99    12.1   0.171   1461.2
 370.0    1.21    1.19   34.95   27.99    11.9   0.173   1460.8
 380.0    1.14    1.12   34.95   27.99    11.8   0.174   1460.7
 390.0    1.12    1.10   34.95   28.00    11.5   0.175   1460.8
 400.0    1.06    1.04   34.94   28.00    11.5   0.176   1460.7
 410.0    1.03    1.01   34.94   27.99    11.7   0.177   1460.7
 420.0    1.01    0.99   34.95   28.00    11.0   0.179   1460.8
 430.0    1.00    0.97   34.95   28.00    10.7   0.180   1460.9
 440.0    0.98    0.96   34.94   28.00    11.3   0.181   1461.0
 450.0    0.96    0.94   34.95   28.01    10.4   0.182   1461.0
 460.0    0.93    0.91   34.95   28.01    10.4   0.183   1461.1
 470.0    0.91    0.89   34.94   28.00    10.7   0.184   1461.1
 480.0    0.90    0.87   34.95   28.01     9.8   0.185   1461.3
 490.0    0.87    0.84   34.93   28.00    11.1   0.186   1461.3
 500.0    0.87    0.85   34.94   28.01    10.6   0.187   1461.5
 500.0    0.87    0.85   34.94   28.01    10.6   0.187   1461.5
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 FRAM 3  STATION  48(1) CTD  15/APR/1981 2225 GMT  CODE = 5
LAT = 83.0900N LNG =   9.6450E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.84   -1.84   33.31   26.81   122.6   0.000   1438.4
  4.0   -1.84   -1.84   33.31   26.81   122.6   0.005   1438.4
  5.0   -1.84   -1.84   33.32   26.82   121.9   0.006   1438.5
 10.0   -1.85   -1.85   33.38   26.87   117.4   0.012   1438.6
 15.0   -1.85   -1.85   33.44   26.91   113.0   0.018   1438.7
 20.0   -1.86   -1.86   33.48   26.94   110.0   0.024   1438.8
 25.0   -1.86   -1.86   33.48   26.95   109.5   0.029   1438.9
 30.0   -1.86   -1.86   33.50   26.96   108.4   0.035   1439.0
 35.0   -1.86   -1.86   33.52   26.98   106.3   0.040   1439.1
 40.0   -1.86   -1.86   33.55   27.00   104.3   0.046   1439.3
 45.0   -1.86   -1.86   33.58   27.03   101.6   0.051   1439.4
 50.0   -1.87   -1.87   33.59   27.04   101.1   0.056   1439.5
 55.0   -1.87   -1.87   33.61   27.05    99.2   0.061   1439.6
 60.0   -1.84   -1.84   33.65   27.08    96.6   0.066   1439.8
 65.0   -1.81   -1.81   33.70   27.13    92.3   0.071   1440.1
 70.0   -1.80   -1.80   33.77   27.18    87.2   0.075   1440.3
 75.0   -1.79   -1.80   33.85   27.25    81.0   0.079   1440.6
 80.0   -1.78   -1.78   33.92   27.30    75.4   0.083   1440.8
 85.0   -1.77   -1.77   33.99   27.36    69.9   0.087   1441.1
 90.0   -1.75   -1.76   34.03   27.39    67.0   0.091   1441.3
 95.0   -1.74   -1.74   34.07   27.42    64.4   0.094   1441.5
100.0   -1.70   -1.71   34.11   27.45    61.1   0.097   1441.8
110.0   -1.66   -1.67   34.18   27.51    55.5   0.103   1442.2
120.0   -1.65   -1.65   34.26   27.57    49.9   0.108   1442.6
130.0   -1.62   -1.62   34.34   27.64    43.8   0.113   1443.0
140.0   -1.60   -1.61   34.34   27.64    43.3   0.117   1443.3
150.0   -1.57   -1.57   34.38   27.67    40.7   0.122   1443.6
160.0   -1.26   -1.27   34.38   27.66    41.6   0.126   1445.2
170.0   -1.04   -1.04   34.42   27.69    39.1   0.130   1446.5
180.0   -0.79   -0.79   34.48   27.72    35.8   0.134   1447.9
190.0   -0.46   -0.46   34.54   27.76    32.8   0.137   1449.7
200.0   -0.06   -0.07   34.56   27.75    33.2   0.140   1451.7
210.0    0.23    0.22   34.66   27.82    27.1   0.143   1453.4
220.0    0.16    0.16   34.68   27.84    25.1   0.146   1453.3
230.0    0.31    0.30   34.71   27.86    23.7   0.149   1454.1
240.0    0.52    0.51   34.77   27.89    20.8   0.151   1455.3
250.0    0.67    0.66   34.81   27.91    18.7   0.153   1456.2
260.0    0.86    0.85   34.85   27.93    17.2   0.155   1457.3
270.0    1.01    0.99   34.89   27.96    14.7   0.156   1458.2
280.0    1.00    0.99   34.91   27.97    13.2   0.158   1458.4
290.0    0.97    0.96   34.91   27.98    12.9   0.159   1458.4
300.0    0.99    0.97   34.90   27.97    13.9   0.160   1458.6
310.0    1.15    1.13   34.93   27.98    12.7   0.162   1459.5
320.0    1.21    1.20   34.96   28.00    11.2   0.163   1460.0
330.0    1.18    1.16   34.98   28.02     9.5   0.164   1460.1
340.0    1.15    1.13   34.99   28.02     8.8   0.165   1460.1
350.0    1.10    1.08   34.97   28.02     9.5   0.166   1460.0
360.0    1.08    1.06   34.98   28.02     9.1   0.167   1460.1
370.0    1.04    1.03   34.97   28.02     9.3   0.168   1460.1
380.0    1.03    1.01   34.97   28.02     9.1   0.169   1460.2
390.0    1.03    1.01   34.98   28.03     8.2   0.170   1460.4
400.0    1.01    0.99   34.97   28.02     9.0   0.170   1460.5
410.0    1.04    1.02   34.98   28.03     8.7   0.171   1460.8
420.0    1.02    1.00   34.98   28.03     8.4   0.172   1460.9
430.0    1.00    0.98   34.99   28.03     8.0   0.173   1461.0
440.0    0.98    0.96   34.98   28.03     8.6   0.174   1461.0
450.0    0.95    0.93   34.99   28.04     7.5   0.175   1461.0
460.0    0.92    0.90   34.98   28.03     7.9   0.175   1461.1
470.0    0.90    0.88   34.99   28.04     7.3   0.176   1461.2
480.0    0.90    0.87   34.98   28.04     7.4   0.177   1461.3
490.0    0.88    0.85   34.99   28.04     7.1   0.178   1461.4
498.0    0.86    0.84   34.99   28.05     6.9   0.178   1461.4
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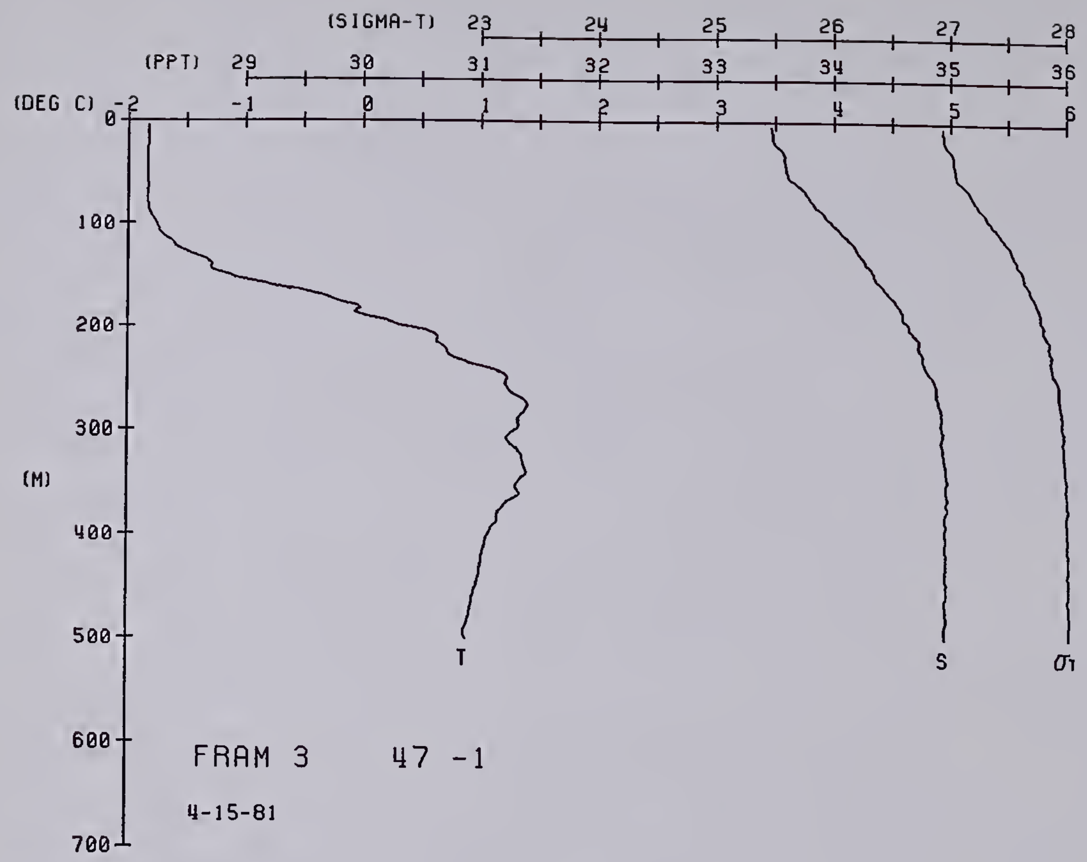
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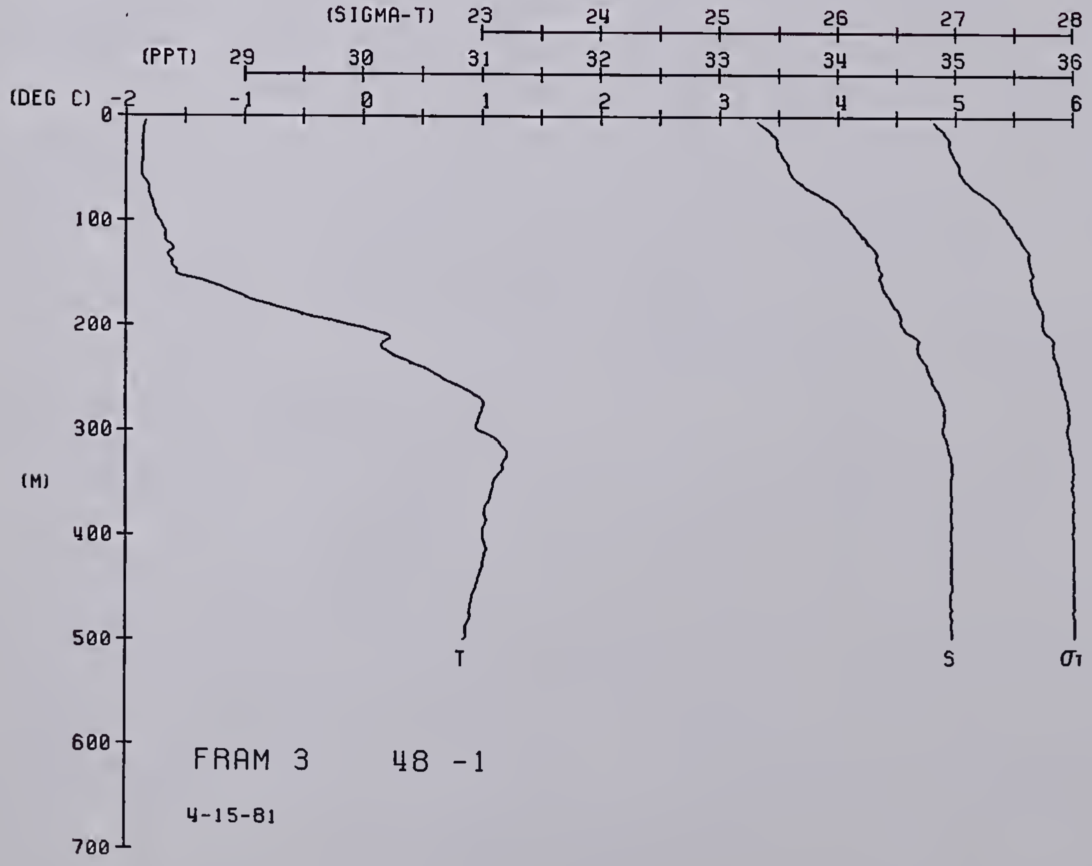
500
600
700
T
S
σT
FRAM 3 47 -1
4-15-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
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700
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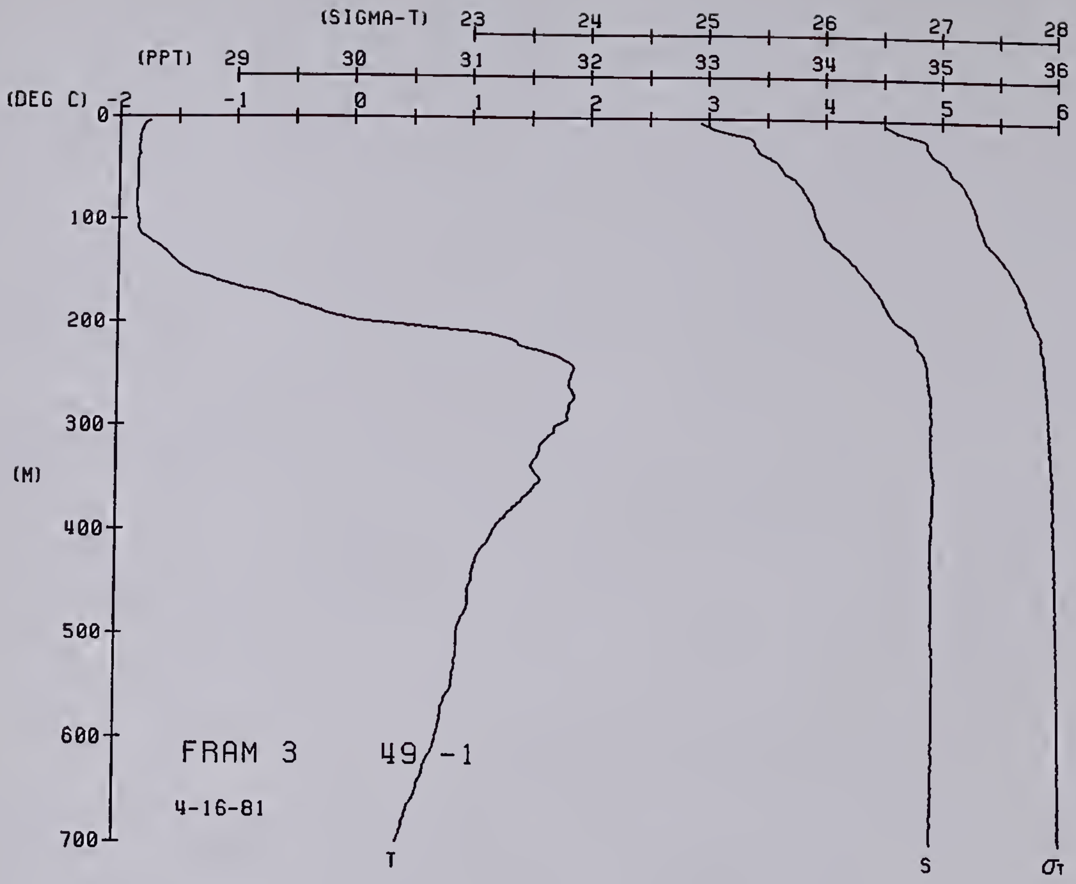
S
σT
FRAM 3 48 -1
4-15-81

FRAM 3 STATION 49(1) CTD 16/APR/1981 821 GMT CODE = 5
LAT = 82.9608N LNG = 6.9510E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.92	26.49	153.5	0.000	1438.3
4.0	-1.74	-1.74	32.92	26.49	153.4	0.006	1438.4
5.0	-1.75	-1.75	32.94	26.50	151.8	0.008	1438.3
10.0	-1.80	-1.81	33.04	26.59	144.0	0.015	1438.3
15.0	-1.82	-1.82	33.22	26.73	130.2	0.022	1438.6
20.0	-1.84	-1.84	33.37	26.86	118.3	0.028	1438.8
25.0	-1.84	-1.84	33.38	26.87	117.1	0.034	1438.9
30.0	-1.84	-1.84	33.42	26.90	114.5	0.040	1439.0
35.0	-1.84	-1.84	33.46	26.93	111.5	0.046	1439.2
40.0	-1.84	-1.84	33.55	27.00	104.2	0.051	1439.4
45.0	-1.85	-1.85	33.60	27.05	100.1	0.057	1439.5
50.0	-1.85	-1.85	33.63	27.07	98.0	0.062	1439.6
55.0	-1.85	-1.85	33.68	27.11	94.4	0.066	1439.8
60.0	-1.85	-1.85	33.75	27.16	88.9	0.071	1439.9
65.0	-1.85	-1.85	33.78	27.19	86.0	0.075	1440.1
70.0	-1.85	-1.85	33.81	27.22	83.8	0.080	1440.2
75.0	-1.86	-1.86	33.84	27.24	81.5	0.084	1440.3
80.0	-1.86	-1.86	33.87	27.26	79.4	0.088	1440.4
85.0	-1.86	-1.86	33.89	27.28	77.7	0.092	1440.5
90.0	-1.85	-1.85	33.90	27.29	76.8	0.096	1440.6
95.0	-1.84	-1.85	33.92	27.30	75.4	0.100	1440.8
100.0	-1.84	-1.84	33.93	27.31	74.4	0.104	1440.9
110.0	-1.83	-1.84	33.98	27.35	70.6	0.111	1441.1
120.0	-1.74	-1.74	34.04	27.40	66.5	0.118	1441.8
130.0	-1.61	-1.61	34.15	27.48	58.3	0.124	1442.8
140.0	-1.52	-1.52	34.24	27.55	51.8	0.130	1443.5
150.0	-1.40	-1.41	34.31	27.61	46.4	0.135	1444.3
160.0	-1.14	-1.14	34.39	27.66	41.4	0.139	1445.8
170.0	-0.80	-0.80	34.46	27.71	37.4	0.143	1447.7
180.0	-0.52	-0.53	34.51	27.73	34.8	0.147	1449.2
190.0	-0.26	-0.26	34.56	27.76	32.4	0.150	1450.7
200.0	0.22	0.21	34.65	27.81	27.7	0.153	1453.1
210.0	1.12	1.11	34.76	27.84	25.4	0.156	1457.5
220.0	1.39	1.38	34.79	27.85	25.4	0.158	1458.9
230.0	1.69	1.68	34.85	27.87	23.1	0.161	1460.5
240.0	1.85	1.84	34.87	27.88	22.3	0.163	1461.4
250.0	1.85	1.83	34.88	27.89	21.7	0.165	1461.6
260.0	1.83	1.81	34.89	27.90	21.0	0.168	1461.6
270.0	1.87	1.86	34.90	27.91	20.3	0.170	1462.0
280.0	1.83	1.81	34.90	27.91	20.1	0.172	1462.0
290.0	1.81	1.79	34.91	27.92	19.4	0.174	1462.1
300.0	1.71	1.69	34.90	27.92	19.3	0.176	1461.8
310.0	1.65	1.63	34.90	27.92	18.8	0.178	1461.7
320.0	1.58	1.56	34.91	27.93	17.9	0.179	1461.6
330.0	1.55	1.53	34.91	27.93	17.5	0.181	1461.6
340.0	1.51	1.50	34.92	27.94	16.8	0.183	1461.6
350.0	1.59	1.57	34.93	27.95	16.4	0.185	1462.1
360.0	1.51	1.50	34.93	27.95	16.2	0.186	1462.0
370.0	1.43	1.41	34.92	27.95	16.0	0.188	1461.8
380.0	1.34	1.32	34.92	27.95	15.6	0.190	1461.5
390.0	1.26	1.24	34.91	27.95	15.6	0.191	1461.3
400.0	1.19	1.17	34.91	27.96	15.0	0.193	1461.2
410.0	1.15	1.13	34.91	27.96	15.0	0.194	1461.2
420.0	1.08	1.05	34.91	27.97	14.4	0.196	1461.0
430.0	1.04	1.02	34.91	27.97	14.2	0.197	1461.0
440.0	1.02	1.00	34.91	27.97	14.1	0.199	1461.1
450.0	1.00	0.98	34.91	27.97	14.0	0.200	1461.2
460.0	0.98	0.96	34.91	27.97	13.6	0.201	1461.2
470.0	0.98	0.96	34.91	27.98	13.5	0.203	1461.4
480.0	0.95	0.92	34.91	27.98	13.2	0.204	1461.4
490.0	0.91	0.88	34.91	27.98	13.2	0.205	1461.4
500.0	0.89	0.87	34.91	27.98	12.9	0.207	1461.5
530.0	0.87	0.84	34.92	27.99	12.2	0.211	1461.9
560.0	0.80	0.77	34.92	27.99	11.9	0.214	1462.1
590.0	0.74	0.71	34.92	27.99	11.6	0.218	1462.3
620.0	0.64	0.61	34.92	28.00	10.9	0.221	1462.4
650.0	0.55	0.52	34.91	28.00	10.6	0.225	1462.5
680.0	0.44	0.41	34.91	28.01	10.0	0.228	1462.5
710.0	0.37	0.33	34.90	28.01	10.0	0.231	1462.6
740.0	0.29	0.26	34.90	28.01	9.6	0.234	1462.8
790.0	0.17	0.13	34.90	28.02	8.7	0.238	1463.1
840.0	0.06	0.02	34.90	28.02	8.2	0.243	1463.4
890.0	-0.03	-0.07	34.89	28.02	7.9	0.247	1463.8
940.0	-0.11	-0.15	34.89	28.02	7.4	0.251	1464.3
990.0	-0.18	-0.22	34.89	28.02	7.1	0.254	1464.8
1040.0	-0.25	-0.30	34.88	28.03	6.7	0.258	1465.3
1090.0	-0.31	-0.35	34.88	28.03	6.5	0.261	1465.9
1140.0	-0.35	-0.40	34.88	28.03	6.0	0.264	1466.6
1190.0	-0.39	-0.44	34.88	28.03	6.2	0.267	1467.2
1240.0	-0.44	-0.49	34.88	28.03	5.7	0.270	1467.9
1290.0	-0.49	-0.54	34.87	28.02	5.8	0.273	1468.5
1340.0	-0.54	-0.60	34.87	28.03	5.4	0.276	1469.1
1390.0	-0.58	-0.65	34.87	28.03	5.0	0.279	1469.7
1440.0	-0.62	-0.68	34.86	28.03	4.9	0.281	1470.4
1459.0	-0.63	-0.70	34.86	28.03	4.7	0.282	1470.7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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
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FRAM 3 49 -1
4-16-81
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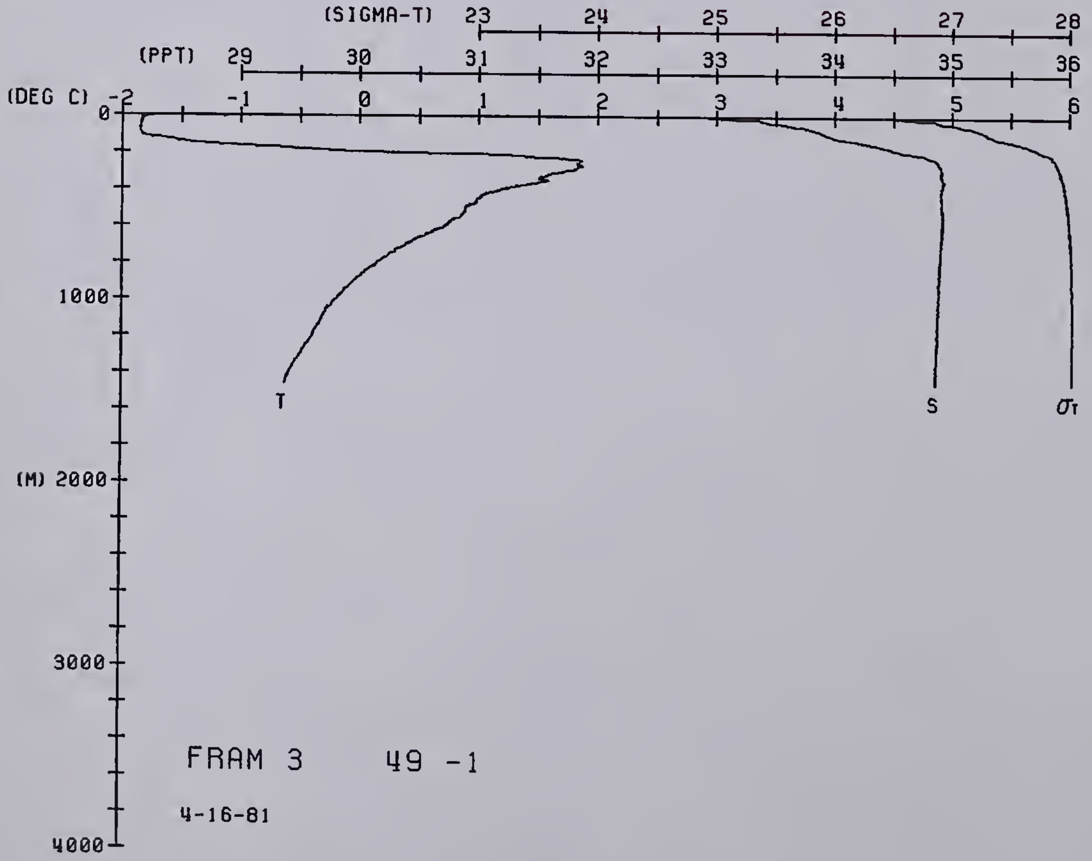
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
T
S
σT
(M) 2000
3000
FRAM 3 49 -1
4-16-81
4000

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 FRAM 3  STATION  50(1) CTD  16/APR/1981 1323 GMT  CODE = 5
LAT = 82.9583N LNG =    6.9252E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0
   5.0
  10.0
  15.0
  20.0
  25.0
  30.0
  35.0
  40.0
  45.0
  50.0
  51.4   -1.84   -1.84   33.69   27.12    93.3   0.000  1439.8
  55.0   -1.83   -1.83   33.73   27.15    90.4   0.003  1439.9
  60.0   -1.84   -1.84   33.78   27.19    86.5   0.008  1440.0
  65.0   -1.85   -1.85   33.81   27.22    83.6   0.012  1440.1
  70.0   -1.85   -1.85   33.85   27.25    80.8   0.016  1440.2
  75.0   -1.86   -1.86   33.88   27.27    78.7   0.020  1440.3
  80.0   -1.86   -1.86   33.90   27.29    77.2   0.024  1440.4
  85.0   -1.86   -1.86   33.91   27.30    75.8   0.028  1440.5
  90.0   -1.85   -1.85   33.93   27.31    74.3   0.032  1440.7
  95.0   -1.85   -1.85   33.95   27.33    72.8   0.036  1440.8
 100.0   -1.84   -1.84   33.97   27.34    71.7   0.039  1440.9
 110.0   -1.79   -1.79   34.01   27.38    68.3   0.046  1441.4
 120.0   -1.70   -1.70   34.10   27.44    61.9   0.053  1442.1
 130.0   -1.59   -1.59   34.19   27.52    54.8   0.059  1443.0
 140.0   -1.45   -1.45   34.28   27.59    48.6   0.064  1443.9
 150.0   -1.37   -1.38   34.34   27.63    44.2   0.069  1444.5
 160.0   -1.11   -1.11   34.40   27.67    40.7   0.073  1446.0
 170.0   -0.89   -0.90   34.44   27.70    38.3   0.077  1447.2
 180.0   -0.50   -0.51   34.52   27.74    34.0   0.081  1449.3
 190.0    0.12    0.11   34.63   27.80    29.1   0.084  1452.5
 200.0    0.71    0.70   34.69   27.82    27.5   0.087  1455.4
 210.0    1.22    1.21   34.78   27.86    24.4   0.089  1458.0
 220.0    1.62    1.61   34.85   27.88    22.3   0.092  1460.0
 230.0    1.87    1.86   34.89   27.89    21.5   0.094  1461.4
 240.0    1.88    1.87   34.89   27.89    21.2   0.096  1461.6
 250.0    1.90    1.89   34.90   27.90    20.7   0.098  1461.8
 260.0    1.89    1.88   34.91   27.91    20.0   0.100  1462.0
 270.0    1.87    1.85   34.92   27.91    19.5   0.102  1462.0
 280.0    1.86    1.84   34.92   27.92    19.0   0.104  1462.1
 290.0    1.77    1.76   34.92   27.92    18.7   0.106  1462.0
 300.0    1.66    1.64   34.91   27.93    18.0   0.108  1461.6
 310.0    1.63    1.61   34.91   27.93    17.9   0.110  1461.7
 320.0    1.54    1.53   34.91   27.94    17.3   0.112  1461.4
 330.0    1.55    1.54   34.92   27.94    16.8   0.113  1461.7
 340.0    1.54    1.52   34.93   27.95    16.3   0.115  1461.8
 350.0    1.49    1.48   34.92   27.95    16.3   0.117  1461.7
 360.0    1.52    1.50   34.93   27.95    15.8   0.118  1462.0
 370.0    1.43    1.41   34.93   27.96    15.3   0.120  1461.8
 380.0    1.36    1.34   34.92   27.96    15.1   0.121  1461.6
 390.0    1.30    1.28   34.92   27.96    14.7   0.123  1461.5
 400.0    1.24    1.22   34.92   27.97    14.5   0.124  1461.4
 410.0    1.17    1.15   34.92   27.97    14.4   0.126  1461.3
 420.0    1.10    1.07   34.92   27.97    13.7   0.127  1461.1
 430.0    1.06    1.04   34.92   27.98    13.3   0.129  1461.1
 440.0    1.02    1.00   34.92   27.98    13.1   0.130  1461.1
 450.0    1.00    0.98   34.92   27.98    13.1   0.131  1461.2
 460.0    0.99    0.96   34.92   27.98    12.9   0.133  1461.3
 470.0    0.98    0.95   34.92   27.98    12.8   0.134  1461.4
 480.0    0.96    0.94   34.92   27.99    12.5   0.135  1461.5
 490.0    0.94    0.92   34.92   27.99    12.3   0.136  1461.6
 491.1    0.94    0.92   34.92   27.99    12.5   0.137  1461.6
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 FRAM 3  STATION  51(1) CTD  16/APR/1981 1324 GMT  CODE = 5
LAT = 82.9583N LNG =    6.9252E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.79   -1.79   33.03   26.58   145.0   0.000  1438.2
  4.0   -1.79   -1.79   33.03   26.58   145.0   0.006  1438.3
  5.0   -1.80   -1.80   33.03   26.58   144.6   0.007  1438.3
 10.0   -1.81   -1.81   33.07   26.61   141.5   0.015  1438.3
 15.0   -1.82   -1.82   33.22   26.73   129.9   0.021  1438.6
 20.0   -1.83   -1.83   33.39   26.87   116.7   0.028  1438.8
 25.0   -1.83   -1.83   33.44   26.91   112.9   0.033  1439.0
 30.0   -1.83   -1.83   33.48   26.94   109.9   0.039  1439.1
 35.0   -1.83   -1.83   33.53   26.99   105.5   0.045  1439.3
 40.0   -1.83   -1.83   33.59   27.04   101.0   0.050  1439.4
 45.0   -1.84   -1.84   33.66   27.09    95.8   0.055  1439.6
 50.0   -1.83   -1.83   33.70   27.12    92.9   0.059  1439.8
 55.0   -1.83   -1.83   33.74   27.16    89.2   0.064  1439.9
 60.0   -1.84   -1.84   33.80   27.20    85.0   0.069  1440.0
 65.0   -1.85   -1.85   33.83   27.23    82.1   0.073  1440.1
 70.0   -1.85   -1.85   33.85   27.25    80.6   0.077  1440.3
 75.0   -1.85   -1.85   33.89   27.28    78.0   0.081  1440.4
 80.0   -1.85   -1.85   33.90   27.29    76.9   0.085  1440.5
 85.0   -1.85   -1.85   33.92   27.30    75.5   0.089  1440.6
 90.0   -1.84   -1.84   33.94   27.32    74.0   0.092  1440.7
 95.0   -1.84   -1.84   33.96   27.34    72.3   0.096  1440.8
100.0   -1.83   -1.83   33.97   27.34    71.5   0.100  1441.0
110.0   -1.75   -1.75   33.99   27.36    70.0   0.107  1441.6
120.0   -1.67   -1.68   34.09   27.44    62.3   0.114  1442.2
130.0   -1.56   -1.56   34.19   27.52    55.0   0.119  1443.1
140.0   -1.43   -1.44   34.28   27.59    48.5   0.125  1444.0
150.0   -1.32   -1.32   34.32   27.61    46.2   0.130  1444.7
160.0   -1.07   -1.07   34.38   27.66    42.0   0.134  1446.1
170.0   -0.81   -0.82   34.42   27.68    39.9   0.138  1447.6
180.0   -0.42   -0.43   34.49   27.72    36.3   0.142  1449.6
190.0    0.24    0.23   34.57   27.75    34.0   0.146  1452.9
200.0    0.80    0.79   34.68   27.80    29.1   0.149  1455.8
210.0    1.30    1.29   34.77   27.84    25.8   0.151  1458.3
220.0    1.67    1.66   34.83   27.86    24.3   0.154  1460.2
230.0    1.88    1.87   34.88   27.89    21.7   0.156  1461.4
240.0    1.88    1.87   34.89   27.89    21.2   0.159  1461.6
250.0    1.89    1.88   34.91   27.90    20.3   0.161  1461.8
260.0    1.89    1.88   34.91   27.91    19.9   0.163  1462.0
270.0    1.86    1.85   34.93   27.93    18.4   0.165  1462.0
280.0    1.86    1.84   34.93   27.93    18.4   0.166  1462.2
290.0    1.74    1.72   34.94   27.95    16.5   0.168  1461.8
300.0    1.66    1.64   34.92   27.93    17.7   0.170  1461.6
310.0    1.61    1.59   34.93   27.95    16.1   0.172  1461.6
320.0    1.54    1.53   34.92   27.94    16.8   0.173  1461.4
330.0    1.55    1.54   34.93   27.95    16.4   0.175  1461.7
340.0    1.54    1.52   34.93   27.95    16.3   0.177  1461.8
350.0    1.49    1.47   34.94   27.96    15.3   0.178  1461.7
360.0    1.51    1.49   34.95   27.97    14.7   0.180  1462.0
370.0    1.42    1.40   34.94   27.96    14.8   0.181  1461.7
380.0    1.35    1.33   34.94   27.97    13.9   0.183  1461.6
390.0    1.29    1.27   34.94   27.98    13.5   0.184  1461.5
400.0    1.24    1.22   34.94   27.98    13.4   0.185  1461.4
410.0    1.16    1.14   34.93   27.98    13.2   0.187  1461.2
420.0    1.10    1.07   34.92   27.97    13.7   0.188  1461.1
430.0    1.05    1.03   34.94   27.99    12.1   0.190  1461.1
440.0    1.02    1.00   34.93   27.98    12.7   0.191  1461.1
450.0    1.00    0.98   34.93   27.99    12.0   0.192  1461.2
460.0    0.99    0.96   34.93   27.99    12.2   0.193  1461.3
470.0    0.98    0.95   34.93   27.99    12.1   0.194  1461.4
480.0    0.96    0.94   34.94   28.00    11.1   0.196  1461.5
490.0    0.95    0.93   34.90   27.97    14.3   0.197  1461.6
491.1    0.95    0.93   34.88   27.95    15.8   0.197  1461.6
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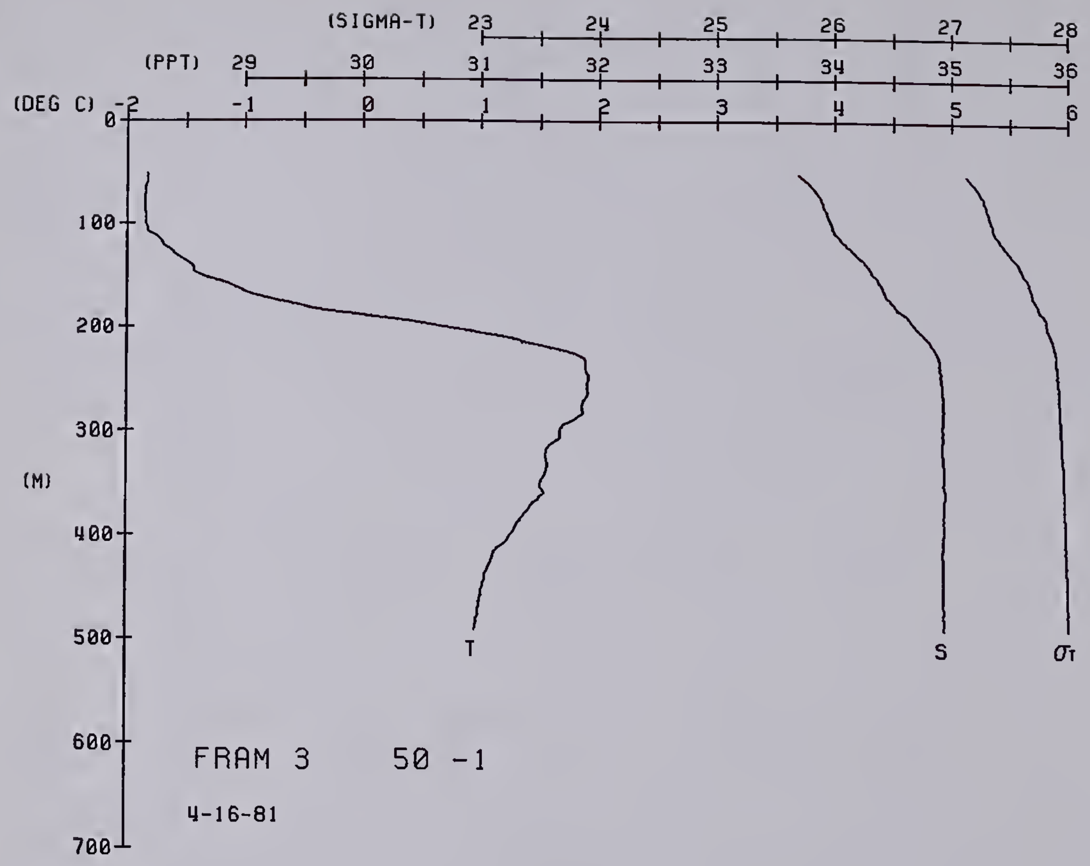
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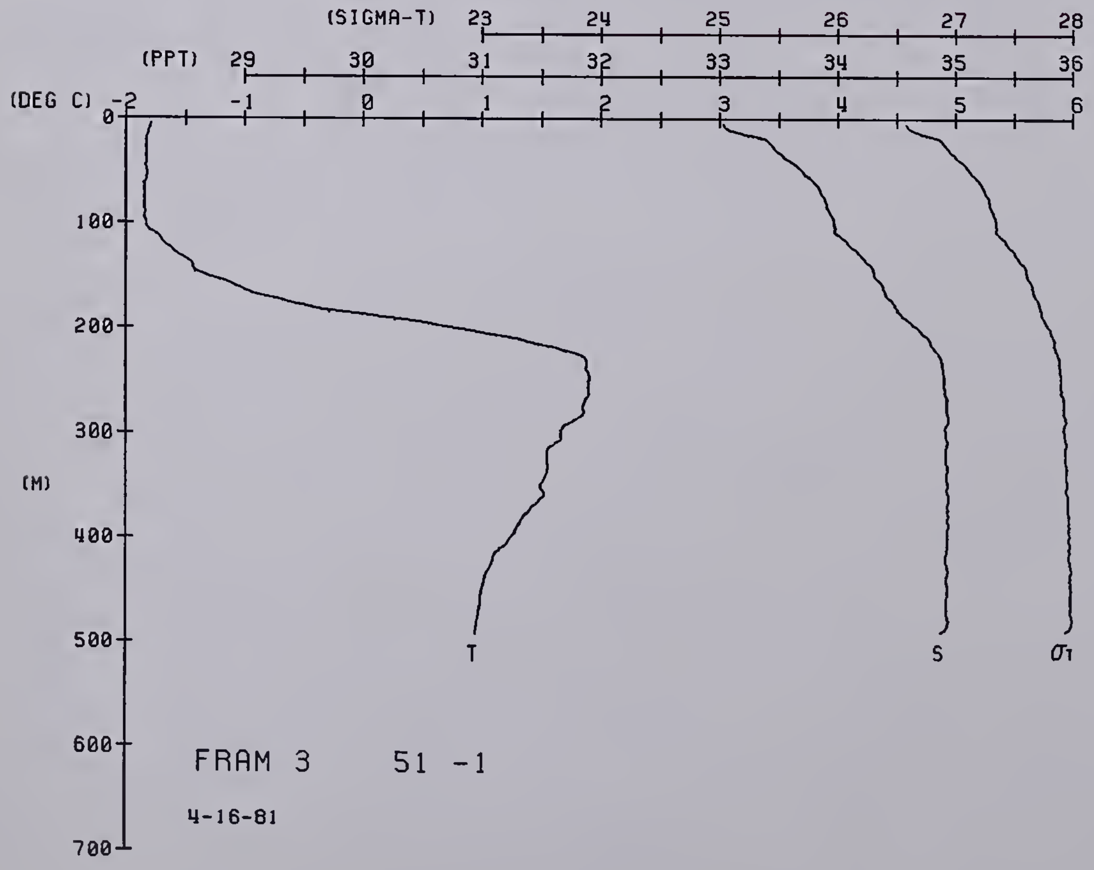
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 50 -1
4-16-81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(PPT) 29 30 31 32 33 34 35 36
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0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 51 -1
4-16-81

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                         AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.49   -1.49   32.60   26.22   178.5   0.000  1439.0
   4.0   -1.49   -1.49   32.60   26.22   178.5   0.007  1439.1
   5.0   -1.58   -1.58   32.73   26.33   168.2   0.009  1438.9
  10.0   -1.79   -1.80   33.11   26.64   138.8   0.017  1438.4
  15.0   -1.81   -1.81   33.29   26.79   124.5   0.023  1438.7
  20.0   -1.82   -1.82   33.39   26.87   116.5   0.030  1438.9
  25.0   -1.83   -1.83   33.43   26.91   113.3   0.035  1439.0
  30.0   -1.83   -1.83   33.49   26.95   108.9   0.041  1439.2
  35.0   -1.83   -1.83   33.53   26.99   105.7   0.046  1439.3
  40.0   -1.84   -1.84   33.62   27.06    99.2   0.052  1439.5
  45.0   -1.83   -1.83   33.67   27.10    94.7   0.056  1439.7
  50.0   -1.80   -1.80   33.68   27.11    94.4   0.061  1439.9
  55.0   -1.81   -1.81   33.74   27.15    89.8   0.066  1440.0
  60.0   -1.84   -1.84   33.79   27.20    85.5   0.070  1440.0
  65.0   -1.83   -1.83   33.83   27.23    82.7   0.075  1440.2
  70.0   -1.84   -1.84   33.85   27.24    81.2   0.079  1440.3
  75.0   -1.84   -1.85   33.88   27.27    78.6   0.083  1440.4
  80.0   -1.86   -1.86   33.91   27.29    76.3   0.087  1440.5
  85.0   -1.84   -1.84   33.92   27.30    75.5   0.090  1440.6
  90.0   -1.84   -1.84   33.93   27.31    74.8   0.094  1440.7
  95.0   -1.84   -1.84   33.96   27.33    72.6   0.098  1440.8
 100.0   -1.83   -1.83   33.94   27.32    73.5   0.102  1441.0
 110.0   -1.72   -1.73   34.04   27.40    66.1   0.109  1441.8
 120.0   -1.65   -1.65   34.13   27.47    59.9   0.115  1442.4
 130.0   -1.54   -1.54   34.23   27.55    51.9   0.121  1443.3
 140.0   -1.42   -1.42   34.30   27.60    47.4   0.126  1444.0
 150.0   -1.26   -1.27   34.37   27.65    42.2   0.130  1445.1
 160.0   -1.01   -1.02   34.42   27.68    39.6   0.134  1446.5
 170.0   -0.75   -0.75   34.45   27.70    37.9   0.138  1447.9
 180.0   -0.42   -0.42   34.54   27.75    33.2   0.142  1449.7
 190.0    0.40    0.40   34.65   27.80    28.7   0.145  1453.8
 200.0    0.76    0.75   34.70   27.82    27.1   0.148  1455.6
 210.0    1.25    1.24   34.79   27.86    24.0   0.151  1458.1
 220.0    1.70    1.69   34.83   27.86    24.5   0.153  1460.4
 230.0    1.92    1.91   34.90   27.90    21.0   0.155  1461.6
 240.0    1.88    1.86   34.90   27.90    20.5   0.157  1461.5
 250.0    1.88    1.87   34.91   27.91    19.9   0.159  1461.8
 260.0    1.85    1.83   34.91   27.91    19.7   0.161  1461.8
 270.0    1.87    1.86   34.92   27.92    18.8   0.163  1462.1
 280.0    1.88    1.86   34.93   27.92    18.6   0.165  1462.3
 290.0    1.72    1.71   34.91   27.92    18.6   0.167  1461.7
 300.0    1.67    1.65   34.92   27.93    17.7   0.169  1461.7
 310.0    1.59    1.58   34.91   27.93    17.6   0.171  1461.5
 320.0    1.54    1.53   34.92   27.94    16.8   0.173  1461.4
 330.0    1.54    1.53   34.93   27.95    16.2   0.174  1461.6
 340.0    1.51    1.49   34.93   27.95    15.8   0.176  1461.6
 350.0    1.52    1.50   34.93   27.96    15.6   0.177  1461.8
 360.0    1.43    1.41   34.93   27.96    15.3   0.179  1461.6
 370.0    1.36    1.34   34.93   27.96    14.9   0.180  1461.5
 380.0    1.31    1.29   34.93   27.97    14.4   0.182  1461.4
 390.0    1.26    1.24   34.92   27.97    14.5   0.183  1461.4
 400.0    1.19    1.17   34.92   27.97    14.3   0.185  1461.2
 410.0    1.11    1.09   34.91   27.97    14.3   0.186  1461.0
 420.0    1.08    1.06   34.92   27.98    13.2   0.188  1461.0
 430.0    1.04    1.02   34.92   27.98    13.1   0.189  1461.0
 440.0    1.01    0.99   34.92   27.98    12.8   0.190  1461.1
 450.0    0.99    0.97   34.93   27.99    12.4   0.192  1461.1
 460.0    0.98    0.95   34.93   27.99    12.4   0.193  1461.2
 470.0    0.97    0.94   34.91   27.97    13.8   0.194  1461.3
 480.0    0.95    0.93   34.91   27.97    13.6   0.196  1461.5
 490.0    0.92    0.90   34.91   27.98    13.5   0.197  1461.5
 500.0    0.90    0.88   34.91   27.98    13.4   0.198  1461.6
 530.0    0.87    0.85   34.93   28.00    11.6   0.202  1461.9
 560.0    0.81    0.79   34.93   28.00    10.9   0.206  1462.2
 590.0    0.71    0.69   34.92   28.00    11.1   0.209  1462.2
 620.0    0.62    0.59   34.92   28.01    10.1   0.212  1462.3
 650.0    0.54    0.51   34.92   28.01     9.7   0.215  1462.4
 680.0    0.45    0.42   34.92   28.02     9.1   0.218  1462.6

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0    0.38    0.34   34.91   28.01     9.3   0.221  1462.7
 740.0    0.29    0.26   34.91   28.02     8.7   0.224  1462.8
 790.0    0.17    0.14   34.91   28.03     7.9   0.228  1463.1
 840.0    0.09    0.05   34.91   28.03     7.5   0.232  1463.6
 890.0   -0.02   -0.06   34.90   28.03     7.3   0.235  1463.9
 940.0   -0.10   -0.14   34.90   28.03     7.0   0.239  1464.4
 990.0   -0.17   -0.22   34.90   28.03     6.3   0.242  1464.9
1040.0   -0.24   -0.29   34.90   28.04     5.7   0.245  1465.4
1090.0   -0.30   -0.35   34.90   28.04     5.3   0.248  1466.0
1140.0   -0.34   -0.39   34.89   28.04     5.3   0.251  1466.6
1190.0   -0.40   -0.45   34.89   28.04     4.8   0.254  1467.2
1240.0   -0.44   -0.50   34.89   28.04     4.6   0.256  1467.9
1290.0   -0.49   -0.55   34.89   28.04     4.4   0.258  1468.5
1340.0   -0.53   -0.59   34.88   28.04     4.4   0.260  1469.1
1390.0   -0.57   -0.63   34.88   28.04     3.8   0.263  1469.8
1440.0   -0.61   -0.67   34.88   28.04     3.8   0.265  1470.5
1456.0   -0.61   -0.68   34.88   28.04     4.0   0.265  1470.7
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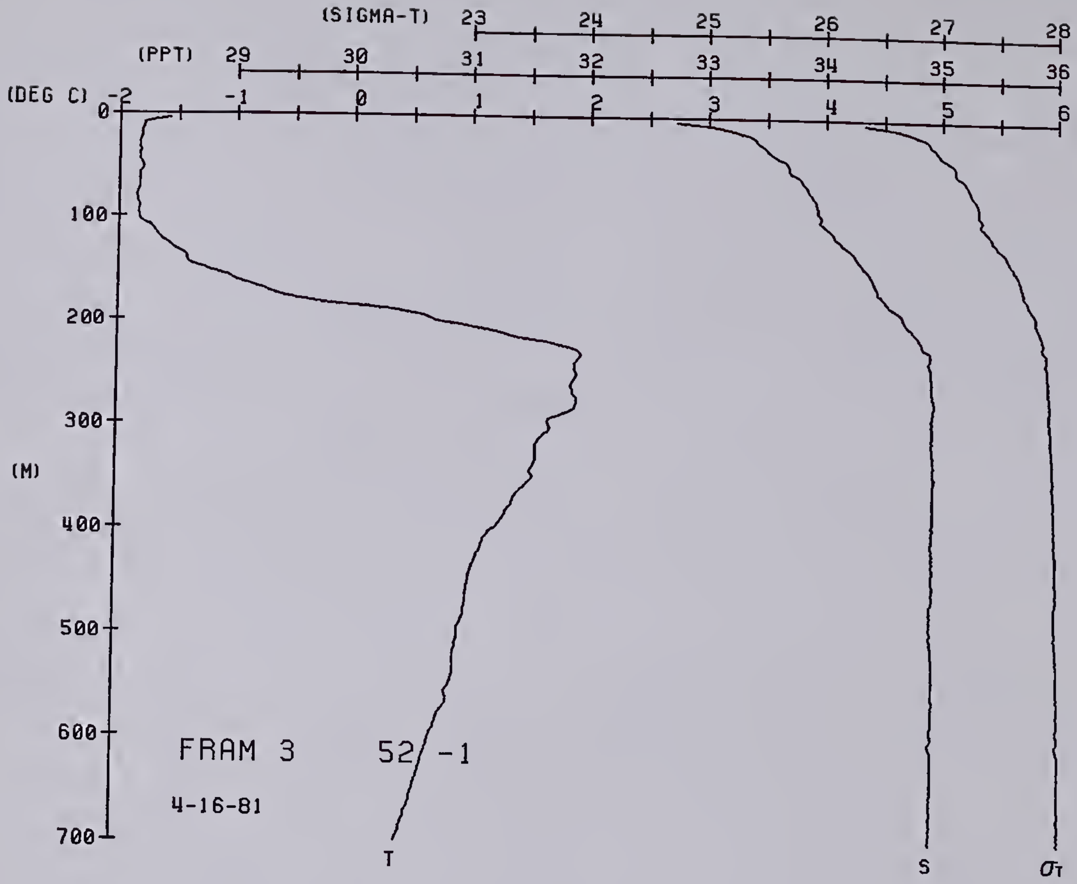
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
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700
FRAM 3 52 -1
4-16-81
T
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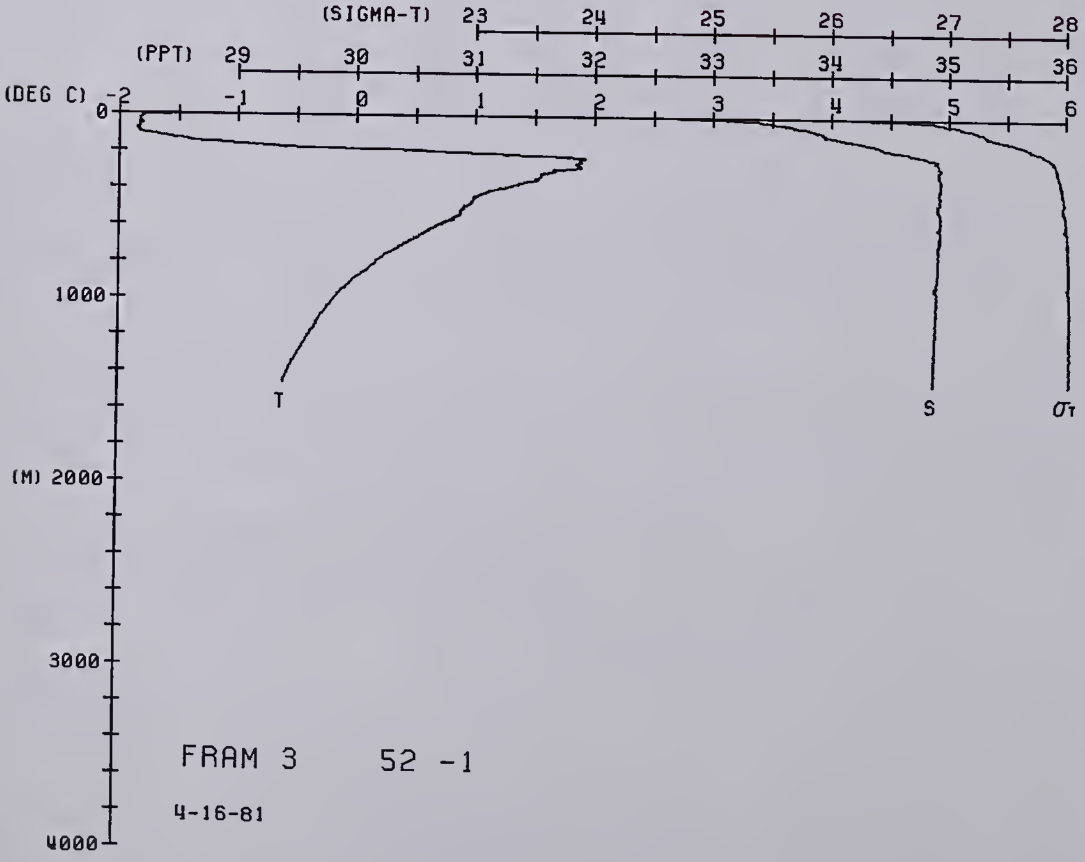
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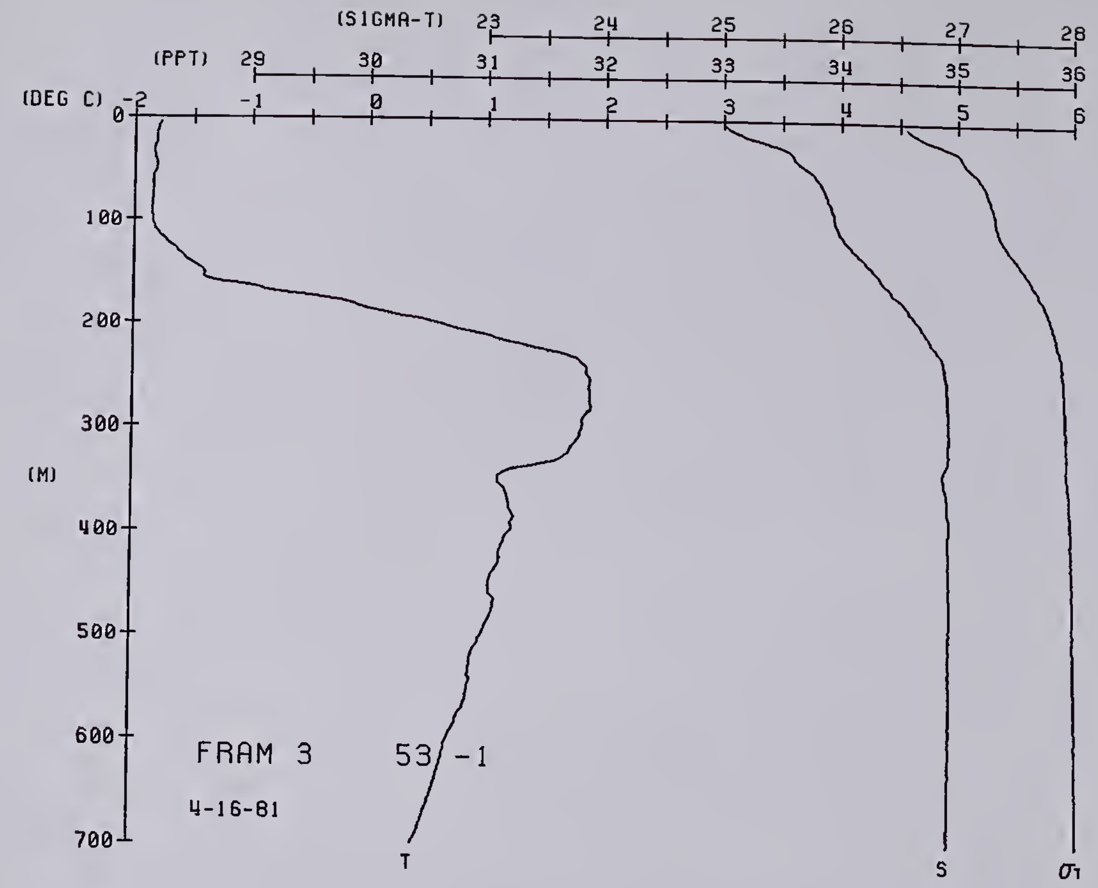
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 52 -1
4-16-81

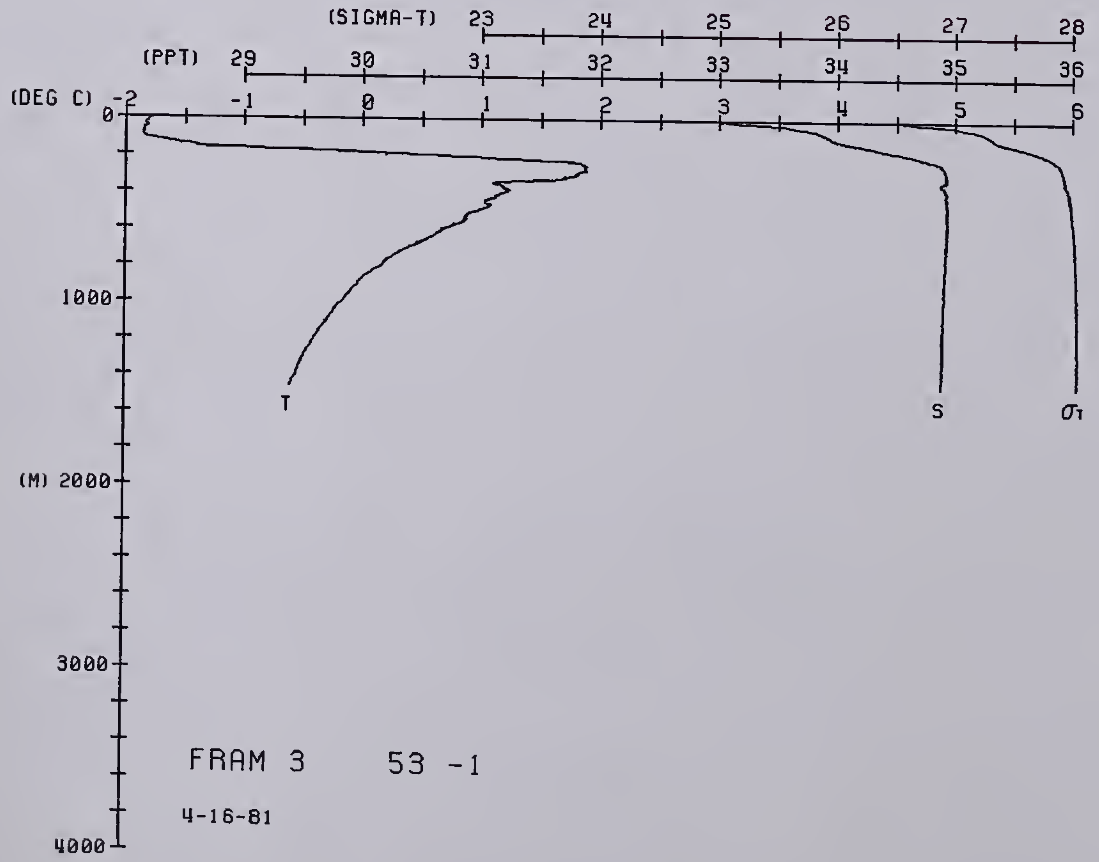
FRAM 3 STATION 53(1) CTD 16/APR/1981 2010 GMT CODE = 5
LAT = 82.9460N LNG = 6.8878E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.98	26.54	148.5	0.000	1438.2
4.0	-1.77	-1.78	32.98	26.54	148.5	0.006	1438.3
5.0	-1.79	-1.79	33.00	26.56	146.8	0.008	1438.3
10.0	-1.80	-1.81	33.08	26.62	140.9	0.015	1438.4
15.0	-1.82	-1.82	33.17	26.70	133.4	0.022	1438.5
20.0	-1.82	-1.82	33.32	26.81	122.4	0.028	1438.8
25.0	-1.82	-1.82	33.47	26.94	110.7	0.034	1439.1
30.0	-1.84	-1.84	33.56	27.01	103.7	0.040	1439.2
35.0	-1.84	-1.84	33.59	27.04	100.9	0.045	1439.3
40.0	-1.83	-1.83	33.62	27.06	98.5	0.050	1439.5
45.0	-1.81	-1.81	33.69	27.12	93.5	0.055	1439.8
50.0	-1.82	-1.82	33.75	27.17	88.7	0.059	1439.9
55.0	-1.84	-1.84	33.79	27.20	85.8	0.064	1439.9
60.0	-1.85	-1.85	33.82	27.22	83.0	0.068	1440.0
65.0	-1.85	-1.85	33.85	27.25	81.1	0.072	1440.1
70.0	-1.85	-1.85	33.87	27.26	79.7	0.076	1440.2
75.0	-1.85	-1.85	33.88	27.27	78.4	0.080	1440.4
80.0	-1.85	-1.85	33.90	27.29	76.9	0.084	1440.5
85.0	-1.86	-1.86	33.92	27.30	75.5	0.088	1440.5
90.0	-1.86	-1.86	33.93	27.32	74.2	0.092	1440.6
95.0	-1.85	-1.86	33.94	27.32	73.7	0.095	1440.7
100.0	-1.85	-1.85	33.95	27.33	72.7	0.099	1440.9
110.0	-1.81	-1.82	33.99	27.36	70.0	0.106	1441.3
120.0	-1.73	-1.73	34.06	27.42	64.4	0.113	1441.9
130.0	-1.63	-1.63	34.15	27.49	58.0	0.119	1442.7
140.0	-1.53	-1.53	34.24	27.55	51.7	0.125	1443.5
150.0	-1.40	-1.41	34.32	27.61	45.8	0.130	1444.3
160.0	-1.22	-1.23	34.39	27.67	40.8	0.134	1445.4
170.0	-0.74	-0.75	34.47	27.72	36.3	0.138	1448.0
180.0	-0.15	-0.16	34.56	27.76	32.5	0.141	1451.0
190.0	0.19	0.18	34.63	27.79	29.6	0.145	1452.8
200.0	0.63	0.62	34.69	27.82	27.3	0.148	1455.0
210.0	1.01	1.00	34.75	27.85	25.2	0.150	1457.0
220.0	1.36	1.35	34.81	27.87	23.1	0.153	1458.8
230.0	1.73	1.72	34.87	27.89	21.6	0.155	1460.7
240.0	1.84	1.83	34.88	27.89	21.4	0.157	1461.4
250.0	1.87	1.86	34.90	27.90	20.5	0.159	1461.7
260.0	1.87	1.85	34.91	27.91	20.0	0.161	1461.8
270.0	1.87	1.86	34.91	27.91	19.7	0.163	1462.0
280.0	1.88	1.86	34.92	27.92	19.4	0.165	1462.3
290.0	1.81	1.79	34.92	27.92	18.6	0.167	1462.1
300.0	1.80	1.78	34.92	27.93	18.5	0.169	1462.2
310.0	1.76	1.74	34.92	27.93	18.2	0.171	1462.2
320.0	1.70	1.68	34.92	27.94	17.6	0.173	1462.1
330.0	1.59	1.57	34.92	27.94	17.5	0.174	1461.8
340.0	1.19	1.17	34.88	27.93	17.4	0.176	1460.1
350.0	1.10	1.08	34.88	27.94	16.3	0.178	1459.9
360.0	1.17	1.15	34.90	27.95	15.7	0.180	1460.4
370.0	1.19	1.17	34.91	27.96	15.2	0.181	1460.7
380.0	1.21	1.20	34.92	27.97	14.5	0.183	1461.0
390.0	1.21	1.19	34.92	27.97	14.1	0.184	1461.1
400.0	1.19	1.17	34.92	27.97	14.0	0.185	1461.2
410.0	1.14	1.12	34.92	27.97	14.0	0.187	1461.1
420.0	1.12	1.09	34.92	27.98	13.5	0.188	1461.2
430.0	1.10	1.08	34.92	27.98	13.5	0.190	1461.3
440.0	1.05	1.03	34.92	27.98	13.0	0.191	1461.2
450.0	1.02	1.00	34.93	27.99	12.4	0.192	1461.3
460.0	1.05	1.03	34.93	27.99	12.6	0.194	1461.6
470.0	1.07	1.04	34.94	27.99	12.3	0.195	1461.8
480.0	1.04	1.02	34.94	27.99	12.2	0.196	1461.9
490.0	1.00	0.97	34.93	27.99	12.1	0.197	1461.8
500.0	0.96	0.94	34.93	27.99	12.2	0.199	1461.8
530.0	0.87	0.84	34.93	28.00	11.3	0.202	1461.9
560.0	0.84	0.81	34.93	28.00	10.9	0.205	1462.3
590.0	0.72	0.69	34.93	28.01	10.2	0.209	1462.3
620.0	0.63	0.60	34.93	28.01	9.8	0.212	1462.4
650.0	0.55	0.52	34.93	28.02	9.4	0.215	1462.5
680.0	0.46	0.43	34.93	28.02	8.9	0.217	1462.6
710.0	0.36	0.32	34.92	28.02	8.3	0.220	1462.6
740.0	0.27	0.23	34.92	28.02	8.2	0.223	1462.7
790.0	0.17	0.13	34.92	28.03	7.3	0.227	1463.1
840.0	0.05	0.02	34.91	28.03	7.1	0.230	1463.4
890.0	-0.04	-0.07	34.91	28.03	6.6	0.234	1463.8
940.0	-0.10	-0.15	34.91	28.04	6.3	0.237	1464.4
990.0	-0.17	-0.21	34.91	28.04	5.7	0.240	1464.9
1040.0	-0.24	-0.29	34.90	28.04	5.5	0.243	1465.4
1090.0	-0.29	-0.34	34.90	28.04	5.0	0.245	1466.0
1140.0	-0.35	-0.40	34.90	28.04	4.7	0.248	1466.6
1190.0	-0.40	-0.45	34.90	28.05	4.3	0.250	1467.2
1240.0	-0.44	-0.50	34.90	28.05	4.1	0.252	1467.9
1290.0	-0.49	-0.55	34.90	28.05	3.7	0.254	1468.5
1340.0	-0.53	-0.59	34.89	28.05	3.5	0.256	1469.2
1390.0	-0.56	-0.62	34.89	28.04	3.6	0.258	1469.9
1440.0	-0.60	-0.66	34.89	28.05	3.0	0.260	1470.5
1455.1	-0.61	-0.67	34.89	28.05	3.2	0.260	1470.8



FRAM 3 53 -1

4-16-81

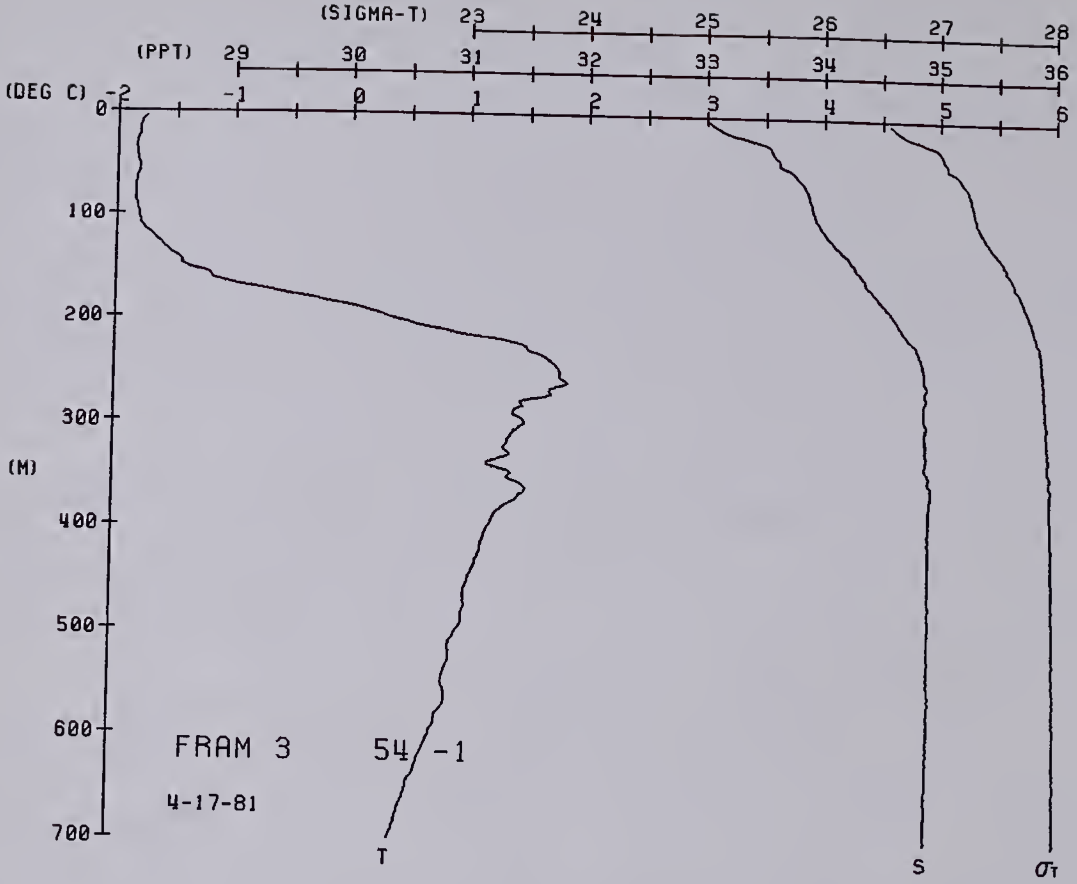


FRAM 3 53 -1

4-16-81

FRAM 3 STATION 54(1) CTD 17/APR/1981 827 GMT CODE = 5
LAT = 82.9277N LNG = 6.8153E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	33.01	26.56	146.1	0.000	1438.3
4.9	-1.76	-1.76	33.01	26.56	146.1	0.007	1438.4
5.0	-1.76	-1.76	33.01	26.57	146.0	0.007	1438.4
10.0	-1.80	-1.81	33.08	26.62	140.4	0.015	1438.4
15.0	-1.82	-1.82	33.17	26.69	134.0	0.022	1438.5
20.0	-1.82	-1.82	33.30	26.80	123.3	0.028	1438.8
25.0	-1.83	-1.83	33.47	26.94	110.4	0.034	1439.0
30.0	-1.84	-1.84	33.54	27.00	104.9	0.039	1439.2
35.0	-1.85	-1.85	33.57	27.02	102.9	0.045	1439.3
40.0	-1.84	-1.84	33.60	27.04	100.2	0.050	1439.4
45.0	-1.84	-1.84	33.62	27.06	98.9	0.055	1439.6
50.0	-1.82	-1.82	33.69	27.12	93.0	0.060	1439.8
55.0	-1.82	-1.82	33.76	27.17	88.4	0.064	1440.0
60.0	-1.83	-1.83	33.79	27.20	85.5	0.069	1440.1
65.0	-1.84	-1.84	33.83	27.23	82.5	0.073	1440.2
70.0	-1.85	-1.85	33.85	27.25	80.6	0.077	1440.3
75.0	-1.85	-1.85	33.87	27.26	79.5	0.081	1440.4
80.0	-1.85	-1.85	33.88	27.27	78.3	0.085	1440.5
85.0	-1.85	-1.85	33.90	27.28	77.2	0.089	1440.6
90.0	-1.84	-1.84	33.90	27.29	76.6	0.093	1440.7
95.0	-1.83	-1.83	33.92	27.30	75.3	0.097	1440.9
100.0	-1.82	-1.82	33.94	27.32	73.7	0.100	1441.0
110.0	-1.79	-1.80	34.01	27.37	68.8	0.108	1441.4
120.0	-1.70	-1.70	34.08	27.43	63.5	0.114	1442.1
130.0	-1.60	-1.61	34.17	27.50	56.8	0.120	1442.8
140.0	-1.49	-1.49	34.25	27.56	51.1	0.126	1443.6
150.0	-1.41	-1.42	34.31	27.61	46.3	0.131	1444.3
160.0	-1.19	-1.19	34.37	27.65	42.9	0.135	1445.6
170.0	-0.83	-0.84	34.45	27.70	38.2	0.139	1447.5
180.0	-0.33	-0.34	34.52	27.73	34.9	0.143	1450.1
190.0	0.11	0.10	34.60	27.78	31.2	0.147	1452.4
200.0	0.41	0.40	34.66	27.81	28.6	0.150	1454.0
210.0	0.80	0.80	34.71	27.83	26.6	0.152	1456.0
220.0	1.34	1.33	34.80	27.86	23.7	0.155	1458.7
230.0	1.54	1.53	34.83	27.87	22.8	0.157	1459.8
240.0	1.71	1.69	34.86	27.88	22.2	0.159	1460.8
250.0	1.78	1.77	34.87	27.89	21.8	0.162	1461.3
260.0	1.84	1.83	34.90	27.90	20.7	0.164	1461.7
270.0	1.71	1.69	34.89	27.91	19.9	0.166	1461.3
280.0	1.45	1.43	34.88	27.91	19.1	0.168	1460.3
290.0	1.39	1.37	34.88	27.92	18.7	0.170	1460.2
300.0	1.47	1.45	34.89	27.92	18.5	0.172	1460.7
310.0	1.37	1.35	34.88	27.93	18.0	0.174	1460.4
320.0	1.32	1.31	34.89	27.93	17.6	0.175	1460.4
330.0	1.35	1.33	34.90	27.94	17.0	0.177	1460.7
340.0	1.19	1.17	34.90	27.95	15.8	0.179	1460.2
350.0	1.34	1.32	34.91	27.95	15.7	0.180	1461.0
360.0	1.49	1.47	34.93	27.96	15.4	0.182	1461.9
370.0	1.43	1.41	34.93	27.96	15.5	0.183	1461.8
380.0	1.30	1.28	34.92	27.96	15.1	0.185	1461.4
390.0	1.22	1.20	34.92	27.96	14.6	0.187	1461.2
400.0	1.18	1.16	34.92	27.97	14.2	0.188	1461.1
410.0	1.14	1.12	34.92	27.97	14.3	0.189	1461.2
420.0	1.12	1.10	34.92	27.97	13.9	0.191	1461.2
430.0	1.09	1.06	34.92	27.98	13.6	0.192	1461.2
440.0	1.06	1.04	34.92	27.98	13.5	0.194	1461.3
450.0	1.02	1.00	34.92	27.98	13.0	0.195	1461.3
460.0	0.99	0.96	34.92	27.98	12.8	0.196	1461.3
470.0	0.99	0.96	34.92	27.99	12.5	0.198	1461.5
480.0	0.98	0.95	34.92	27.98	12.7	0.199	1461.6
490.0	0.97	0.95	34.93	27.99	12.3	0.200	1461.7
500.0	0.92	0.90	34.92	27.99	12.6	0.201	1461.7
530.0	0.86	0.83	34.92	27.99	12.1	0.205	1461.9
560.0	0.85	0.82	34.93	28.00	11.5	0.209	1462.3
590.0	0.74	0.72	34.92	28.00	11.0	0.212	1462.4
620.0	0.63	0.60	34.92	28.01	10.4	0.215	1462.3
650.0	0.52	0.49	34.92	28.01	10.0	0.218	1462.4
680.0	0.44	0.41	34.92	28.01	9.5	0.221	1462.5
710.0	0.35	0.32	34.91	28.02	8.9	0.224	1462.6
740.0	0.28	0.24	34.91	28.02	8.9	0.227	1462.8
790.0	0.16	0.12	34.90	28.02	8.3	0.231	1463.0
840.0	0.05	0.02	34.90	28.02	8.1	0.235	1463.4
890.0	-0.04	-0.07	34.90	28.02	7.5	0.239	1463.8
940.0	-0.10	-0.15	34.89	28.02	7.3	0.243	1464.3
990.0	-0.17	-0.21	34.89	28.03	6.9	0.247	1464.9
1040.0	-0.23	-0.28	34.89	28.03	6.4	0.250	1465.4
1090.0	-0.29	-0.34	34.89	28.03	6.2	0.253	1466.0
1140.0	-0.35	-0.40	34.88	28.03	6.1	0.256	1466.6
1190.0	-0.40	-0.45	34.88	28.03	5.5	0.259	1467.2
1240.0	-0.45	-0.50	34.88	28.03	5.2	0.262	1467.8
1290.0	-0.50	-0.55	34.88	28.03	4.9	0.265	1468.4
1340.0	-0.53	-0.59	34.88	28.03	4.7	0.267	1469.1
1390.0	-0.56	-0.62	34.87	28.03	4.8	0.270	1469.8
1440.0	-0.59	-0.65	34.87	28.03	4.7	0.272	1470.5
1461.9	-0.62	-0.68	34.87	28.03	4.8	0.273	1470.8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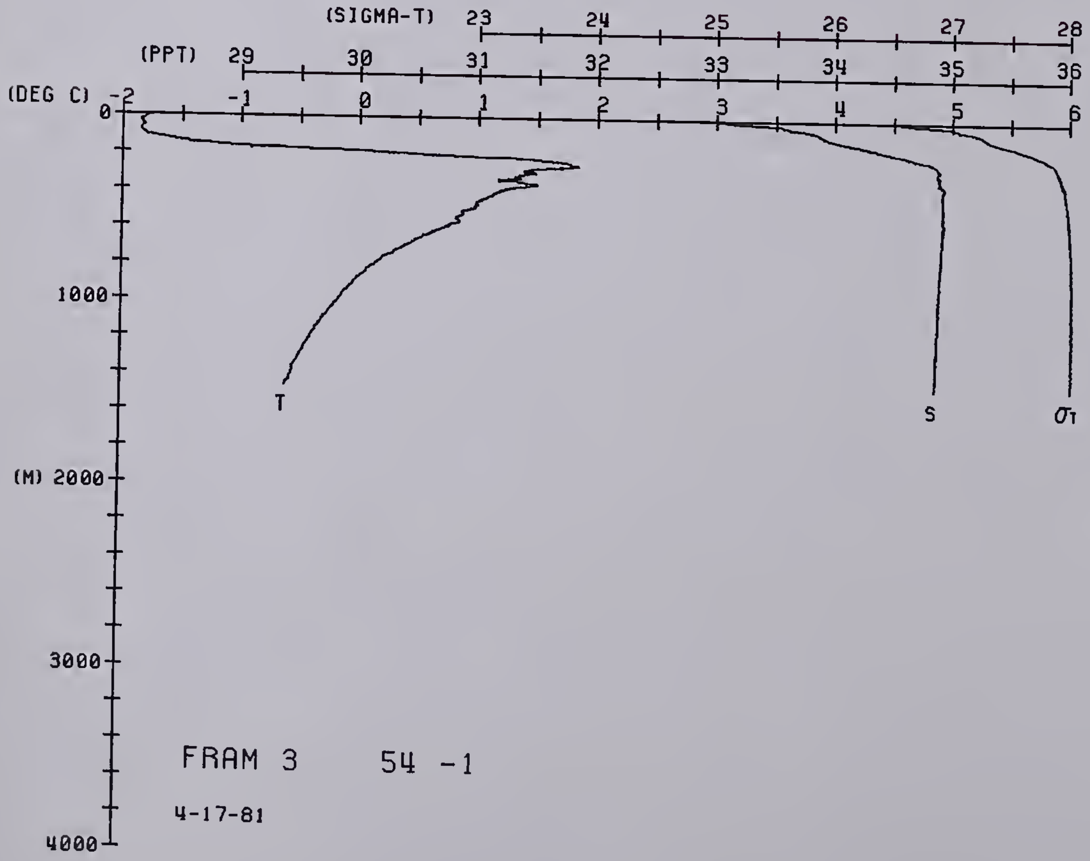
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σT
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4-17-81

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 FRAM 3  STATION  55(1) CTD  17/APR/1981 1008 GMT  CODE = 5
LAT = 82.9258N LNG =   6.8160E LTER =     30. LGER =    30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.79  -1.79  33.08  26.62  140.8  0.000  1438.2
   4.0  -1.79  -1.80  33.08  26.62  140.8  0.006  1438.3
   5.0  -1.79  -1.80  33.08  26.62  141.1  0.007  1438.3
  10.0  -1.80  -1.80  33.09  26.63  139.7  0.014  1438.4
  15.0  -1.82  -1.82  33.25  26.76  127.7  0.021  1438.6
  20.0  -1.82  -1.82  33.41  26.89  115.5  0.027  1438.9
  25.0  -1.83  -1.83  33.50  26.96  108.2  0.033  1439.1
  30.0  -1.83  -1.83  33.55  27.00  104.5  0.038  1439.3
  35.0  -1.83  -1.83  33.58  27.03  101.6  0.043  1439.4
  40.0  -1.83  -1.83  33.61  27.05   99.6  0.048  1439.5
  45.0  -1.82  -1.82  33.64  27.08   97.1  0.053  1439.7
  50.0  -1.80  -1.80  33.70  27.12   92.8  0.058  1439.9
  55.0  -1.82  -1.82  33.76  27.17   88.2  0.063  1440.0
  60.0  -1.82  -1.82  33.81  27.21   84.4  0.067  1440.1
  65.0  -1.83  -1.83  33.83  27.23   82.4  0.071  1440.2
  70.0  -1.83  -1.83  33.86  27.26   80.1  0.075  1440.3
  75.0  -1.83  -1.83  33.88  27.27   78.9  0.080  1440.4
  80.0  -1.83  -1.83  33.89  27.28   77.7  0.083  1440.5
  85.0  -1.82  -1.82  33.91  27.30   76.0  0.087  1440.7
  90.0  -1.81  -1.81  33.93  27.31   74.7  0.091  1440.9
  95.0  -1.80  -1.81  33.95  27.33   73.3  0.095  1441.0
 100.0  -1.78  -1.79  33.96  27.34   72.0  0.099  1441.2
 110.0  -1.70  -1.70  34.05  27.40   65.9  0.106  1441.9
 120.0  -1.60  -1.61  34.12  27.46   60.3  0.112  1442.6
 130.0  -1.51  -1.51  34.21  27.53   53.6  0.118  1443.4
 140.0  -1.40  -1.41  34.26  27.57   50.3  0.123  1444.1
 150.0  -1.26  -1.26  34.32  27.62   45.8  0.128  1445.0
 160.0  -0.93  -0.93  34.40  27.66   41.6  0.132  1446.8
 170.0  -0.41  -0.42  34.45  27.68   39.9  0.136  1449.5
 180.0   0.07   0.06  34.55  27.74   35.0  0.140  1451.9
 190.0   0.32   0.31  34.59  27.76   32.9  0.144  1453.3
 200.0   0.61   0.61  34.63  27.77   32.0  0.147  1454.9
 210.0   1.07   1.06  34.67  27.77   31.9  0.150  1457.1
 220.0   1.53   1.52  34.77  27.82   27.7  0.153  1459.5
 230.0   1.67   1.66  34.83  27.86   24.1  0.156  1460.4
 240.0   1.71   1.70  34.84  27.87   23.5  0.158  1460.8
 250.0   1.76   1.75  34.86  27.88   22.6  0.160  1461.2
 260.0   1.85   1.84  34.90  27.91   20.2  0.163  1461.8
 270.0   1.53   1.51  34.90  27.93   17.6  0.165  1460.5
 280.0   1.38   1.36  34.86  27.91   19.7  0.166  1460.0
 290.0   1.39   1.38  34.87  27.91   19.4  0.168  1460.2
 300.0   1.44   1.42  34.88  27.92   19.1  0.170  1460.6
 310.0   1.33   1.31  34.89  27.93   17.3  0.172  1460.3
 320.0   1.33   1.31  34.87  27.92   18.7  0.174  1460.4
 330.0   1.39   1.37  34.89  27.93   17.6  0.176  1460.9
 340.0   1.38   1.37  34.88  27.93   18.3  0.178  1461.0
 350.0   1.45   1.43  34.92  27.95   16.4  0.179  1461.5
 360.0   1.42   1.41  34.92  27.95   16.2  0.181  1461.6
 370.0   1.37   1.35  34.93  27.96   15.1  0.183  1461.5
 380.0   1.27   1.25  34.92  27.96   15.2  0.184  1461.2
 390.0   1.21   1.19  34.90  27.95   15.5  0.186  1461.1
 400.0   1.18   1.16  34.91  27.96   14.9  0.187  1461.1
 410.0   1.15   1.13  34.90  27.96   15.2  0.189  1461.2
 420.0   1.14   1.11  34.91  27.96   14.7  0.190  1461.3
 430.0   1.10   1.08  34.91  27.96   14.7  0.192  1461.3
 440.0   1.08   1.06  34.91  27.97   14.2  0.193  1461.4
 450.0   1.05   1.03  34.91  27.97   13.9  0.195  1461.4
 460.0   1.02   0.99  34.91  27.98   13.5  0.196  1461.4
 470.0   1.01   0.99  34.91  27.97   13.8  0.197  1461.5
 480.0   1.00   0.98  34.92  27.98   13.5  0.199  1461.7
 489.1   0.96   0.94  34.91  27.97   13.7  0.200  1461.7
```

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 FRAM 3  STATION  56(1) CTD  17/APR/1981 1008 GMT  CODE = 5
LAT = 82.9258N LNG =   6.8160E LTER =     30. LGER =    30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.77  -1.77  32.97  26.53  149.8  0.000  1438.2
   4.0  -1.77  -1.77  32.97  26.53  149.7  0.006  1438.3
   5.0  -1.78  -1.78  32.99  26.55  147.5  0.008  1438.3
  10.0  -1.80  -1.80  33.07  26.61  141.3  0.015  1438.4
  15.0  -1.82  -1.82  33.19  26.71  132.1  0.022  1438.5
  20.0  -1.83  -1.83  33.37  26.86  117.9  0.028  1438.8
  25.0  -1.84  -1.84  33.49  26.96  108.7  0.034  1439.0
  30.0  -1.85  -1.85  33.56  27.01  103.7  0.039  1439.2
  35.0  -1.84  -1.84  33.58  27.03  101.7  0.044  1439.3
  40.0  -1.84  -1.84  33.61  27.05   99.6  0.049  1439.4
  45.0  -1.83  -1.83  33.64  27.08   97.2  0.054  1439.6
  50.0  -1.83  -1.83  33.69  27.12   93.4  0.059  1439.8
  55.0  -1.82  -1.82  33.76  27.17   87.9  0.064  1440.0
  60.0  -1.84  -1.84  33.81  27.21   84.2  0.068  1440.1
  65.0  -1.84  -1.84  33.84  27.24   82.0  0.072  1440.2
  70.0  -1.84  -1.84  33.87  27.26   79.6  0.076  1440.3
  75.0  -1.84  -1.85  33.88  27.27   78.2  0.080  1440.4
  80.0  -1.85  -1.85  33.90  27.29   76.6  0.084  1440.5
  85.0  -1.85  -1.85  33.93  27.31   74.9  0.088  1440.6
  90.0  -1.83  -1.83  33.94  27.32   73.8  0.092  1440.8
  95.0  -1.82  -1.82  33.96  27.34   72.3  0.096  1440.9
 100.0  -1.81  -1.81  33.98  27.35   70.7  0.099  1441.1
 110.0  -1.74  -1.74  34.06  27.41   65.1  0.106  1441.7
 120.0  -1.64  -1.64  34.14  27.48   58.7  0.112  1442.5
 130.0  -1.55  -1.55  34.22  27.54   52.7  0.118  1443.2
 140.0  -1.44  -1.44  34.27  27.58   49.1  0.123  1443.9
 150.0  -1.30  -1.31  34.34  27.63   44.1  0.128  1444.8
 160.0  -1.00  -1.00  34.42  27.68   39.5  0.132  1446.5
 170.0  -0.56  -0.56  34.50  27.73   35.3  0.136  1448.9
 180.0  -0.03  -0.04  34.58  27.77   31.7  0.139  1451.6
 190.0   0.26   0.25  34.63  27.79   29.5  0.142  1453.1
 200.0   0.51   0.50  34.68  27.82   27.7  0.145  1454.5
 210.0   0.89   0.88  34.73  27.84   25.9  0.148  1456.4
 220.0   1.42   1.41  34.82  27.88   22.6  0.150  1459.1
 230.0   1.65   1.64  34.85  27.88   22.4  0.153  1460.3
 240.0   1.67   1.66  34.87  27.89   21.4  0.155  1460.6
 250.0   1.72   1.71  34.87  27.89   21.6  0.157  1461.0
 260.0   1.87   1.86  34.90  27.90   20.4  0.159  1461.9
 270.0   1.60   1.59  34.88  27.90   20.2  0.161  1460.8
 280.0   1.37   1.35  34.87  27.91   19.1  0.163  1459.9
 290.0   1.38   1.36  34.88  27.92   18.3  0.165  1460.1
 300.0   1.43   1.42  34.89  27.93   17.9  0.167  1460.6
 310.0   1.34   1.33  34.89  27.93   17.4  0.169  1460.3
 320.0   1.30   1.28  34.89  27.94   16.8  0.171  1460.3
 330.0   1.38   1.36  34.91  27.95   16.0  0.172  1460.9
 340.0   1.33   1.31  34.91  27.95   15.9  0.174  1460.8
 350.0   1.46   1.44  34.93  27.96   15.6  0.175  1461.6
 360.0   1.40   1.39  34.93  27.96   14.7  0.177  1461.5
 370.0   1.38   1.36  34.93  27.96   15.1  0.178  1461.5
 380.0   1.27   1.25  34.92  27.97   14.6  0.180  1461.2
 390.0   1.20   1.18  34.92  27.97   14.3  0.181  1461.1
 400.0   1.17   1.15  34.92  27.97   14.2  0.183  1461.1
 410.0   1.14   1.12  34.92  27.97   13.7  0.184  1461.1
 420.0   1.13   1.11  34.92  27.97   13.8  0.186  1461.3
 430.0   1.09   1.07  34.92  27.97   13.9  0.187  1461.3
 440.0   1.08   1.05  34.92  27.98   13.3  0.188  1461.4
 450.0   1.04   1.02  34.92  27.98   13.0  0.190  1461.4
 460.0   1.01   0.99  34.92  27.98   12.9  0.191  1461.4
 470.0   0.99   0.97  34.93  27.99   12.4  0.192  1461.5
 480.0   0.99   0.97  34.93  27.99   12.6  0.194  1461.6
 490.0   0.98   0.95  34.92  27.98   12.8  0.195  1461.7
 491.1   0.96   0.94  34.92  27.99   12.6  0.195  1461.7
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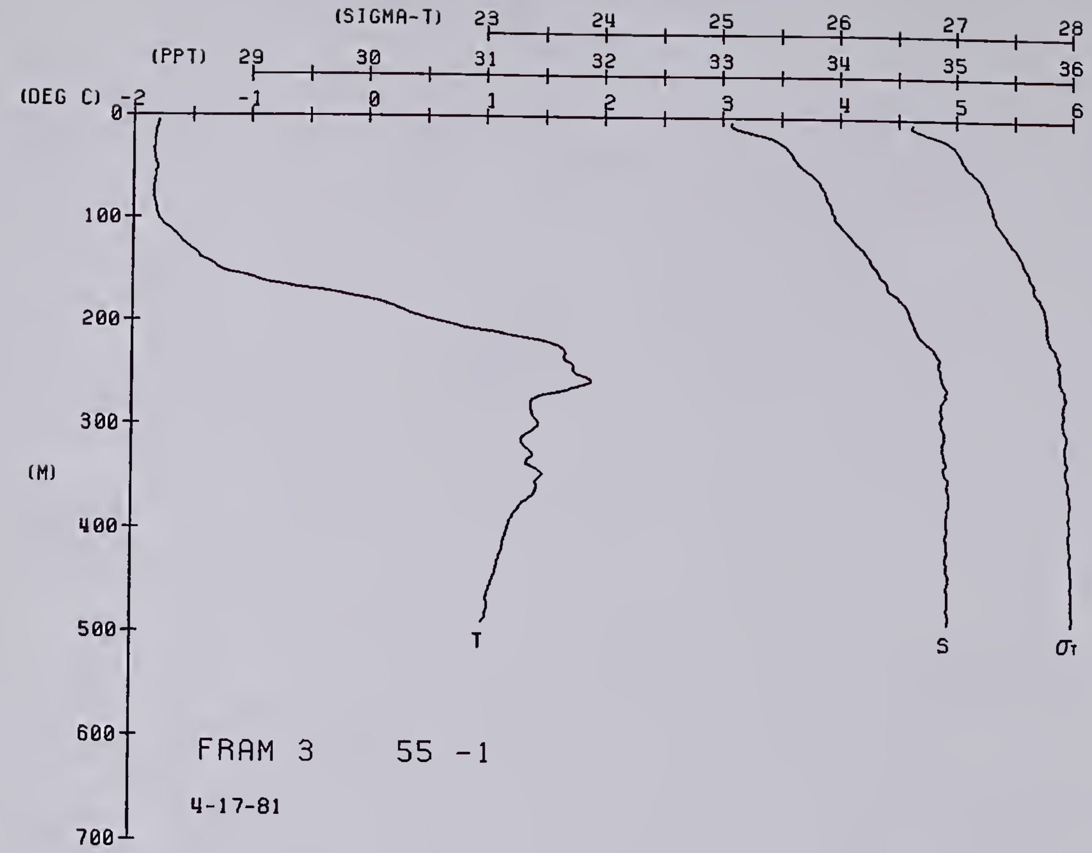
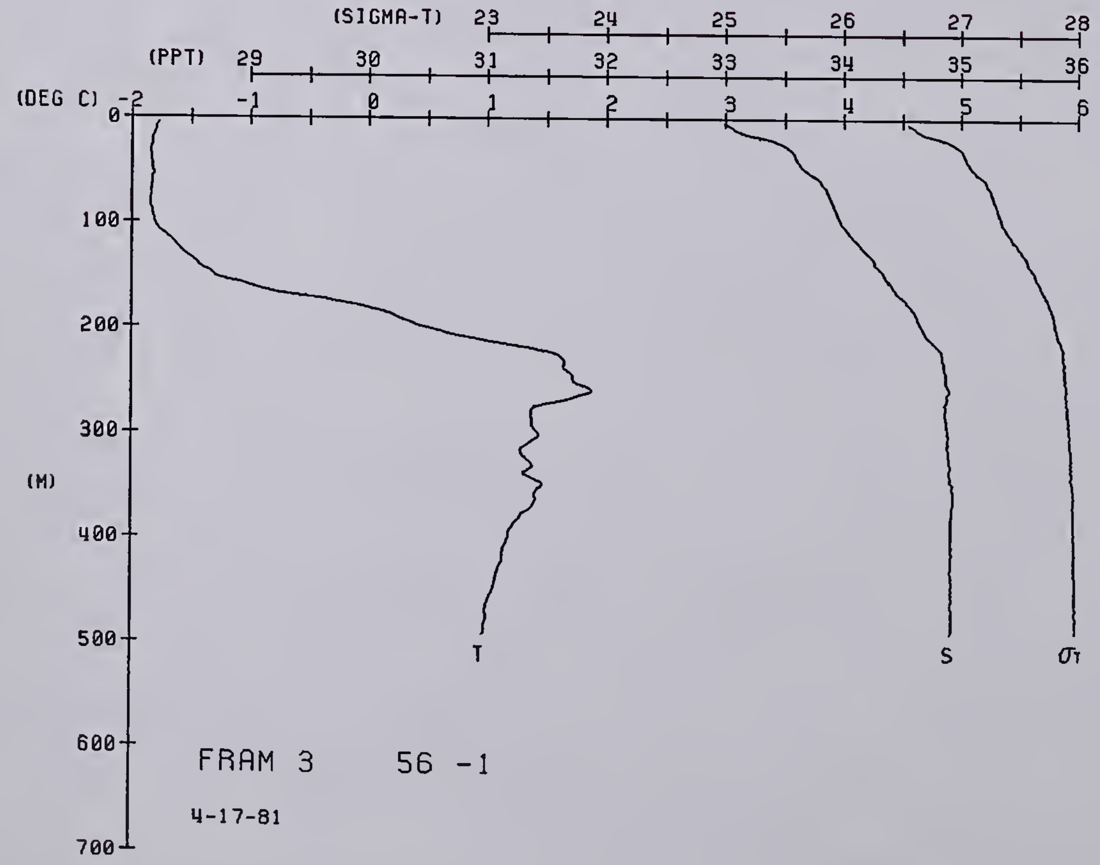


FRAM 3 55 -1

4-17-81

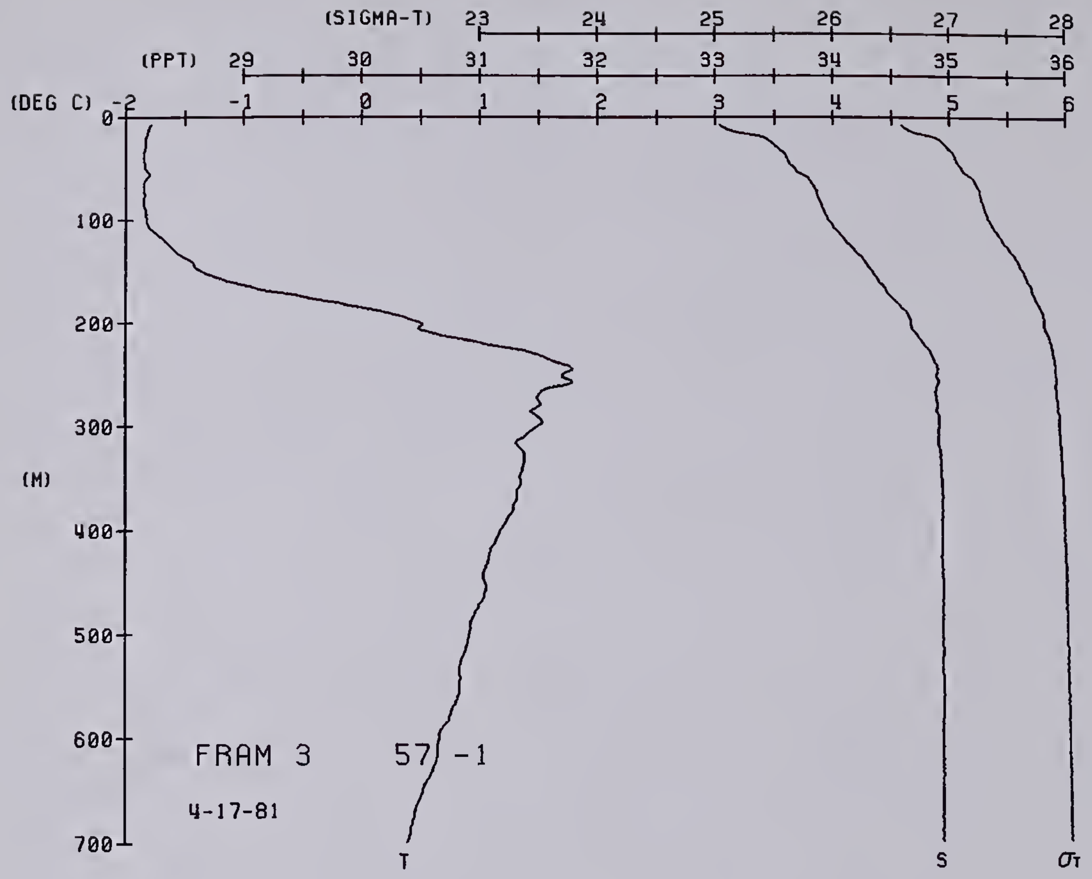


FRAM 3 56 -1

4-17-81

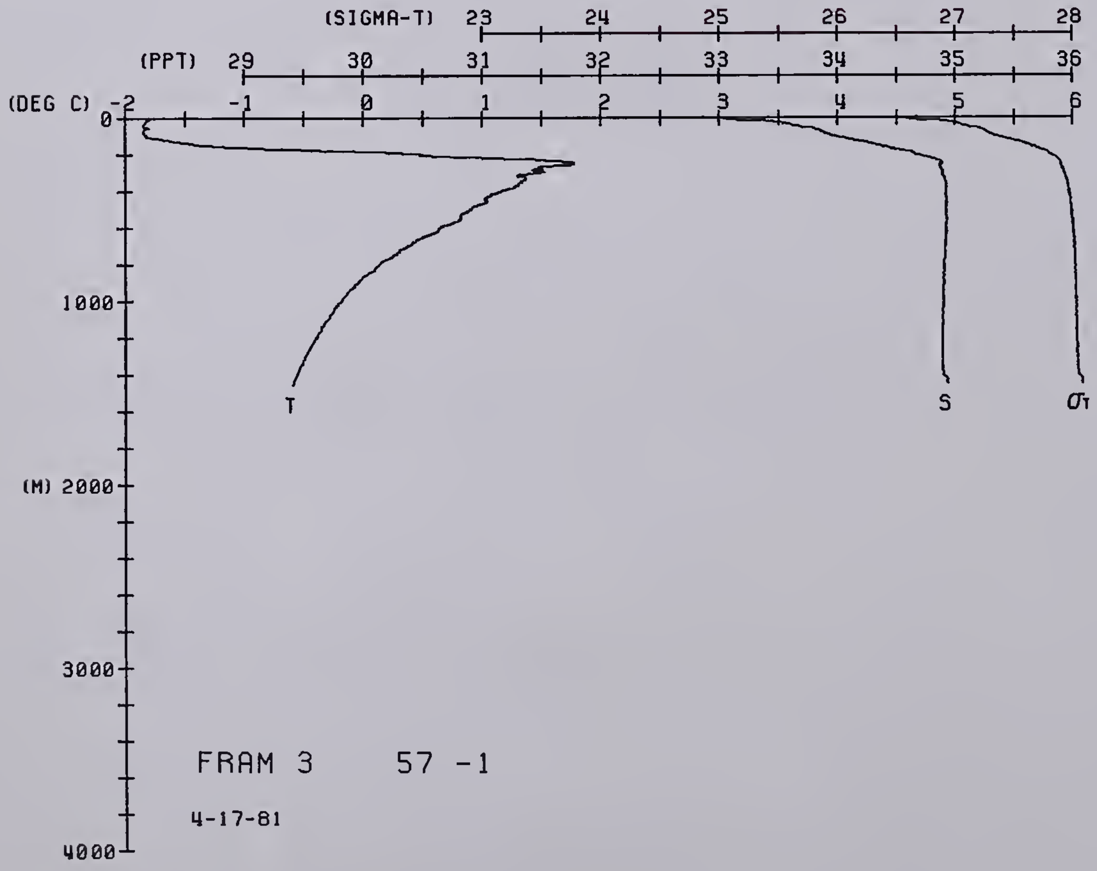
FRAM 3 STATION 57(1) CTD 17/APR/1981 1404 GMT CODE = 5
LAT = 82.9170N LNG = 6.8132E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.04	26.58	144.3	0.000	1438.2
5.0	-1.79	-1.79	33.04	26.58	144.2	0.007	1438.3
6.9	-1.79	-1.79	33.04	26.58	144.2	0.010	1438.3
10.0	-1.80	-1.81	33.06	26.61	142.0	0.015	1438.3
15.0	-1.82	-1.82	33.19	26.71	132.2	0.022	1438.5
20.0	-1.83	-1.83	33.40	26.88	115.7	0.028	1438.9
25.0	-1.84	-1.84	33.48	26.94	109.8	0.033	1439.0
30.0	-1.84	-1.84	33.53	26.98	106.2	0.039	1439.2
35.0	-1.85	-1.85	33.58	27.03	101.7	0.044	1439.3
40.0	-1.85	-1.85	33.61	27.05	99.8	0.049	1439.4
45.0	-1.84	-1.84	33.63	27.07	98.0	0.054	1439.5
50.0	-1.83	-1.83	33.68	27.10	94.5	0.059	1439.7
55.0	-1.80	-1.81	33.72	27.14	91.0	0.064	1440.0
60.0	-1.83	-1.83	33.79	27.20	85.3	0.068	1440.1
65.0	-1.85	-1.85	33.82	27.23	82.9	0.073	1440.1
70.0	-1.85	-1.85	33.85	27.25	80.8	0.077	1440.2
75.0	-1.84	-1.84	33.86	27.26	79.8	0.081	1440.4
80.0	-1.85	-1.85	33.88	27.27	78.5	0.085	1440.5
85.0	-1.85	-1.85	33.90	27.29	77.1	0.089	1440.6
90.0	-1.84	-1.84	33.92	27.30	75.6	0.093	1440.7
95.0	-1.83	-1.83	33.94	27.32	73.8	0.096	1440.9
100.0	-1.83	-1.83	33.96	27.34	72.1	0.100	1441.0
110.0	-1.78	-1.78	34.03	27.39	67.2	0.107	1441.5
120.0	-1.67	-1.67	34.10	27.45	61.7	0.114	1442.3
130.0	-1.58	-1.59	34.19	27.52	55.2	0.119	1443.0
140.0	-1.45	-1.45	34.27	27.58	49.2	0.125	1443.9
150.0	-1.35	-1.36	34.33	27.63	44.7	0.129	1444.6
160.0	-1.11	-1.12	34.39	27.66	41.2	0.134	1446.0
170.0	-0.74	-0.75	34.45	27.70	38.1	0.138	1447.9
180.0	-0.26	-0.27	34.54	27.75	33.6	0.141	1450.5
190.0	0.20	0.19	34.62	27.79	29.8	0.145	1452.8
200.0	0.50	0.49	34.66	27.80	28.9	0.148	1454.4
210.0	0.60	0.59	34.70	27.83	26.1	0.150	1455.1
220.0	1.01	1.00	34.77	27.86	23.8	0.153	1457.2
230.0	1.47	1.46	34.83	27.88	22.4	0.155	1459.5
240.0	1.69	1.68	34.87	27.90	21.0	0.157	1460.7
250.0	1.70	1.68	34.88	27.90	21.0	0.160	1460.9
260.0	1.73	1.71	34.88	27.90	20.7	0.162	1461.2
270.0	1.49	1.48	34.87	27.91	19.9	0.164	1460.3
280.0	1.50	1.49	34.88	27.91	19.2	0.166	1460.5
290.0	1.48	1.47	34.90	27.93	17.9	0.168	1460.6
300.0	1.49	1.47	34.90	27.93	18.0	0.169	1460.8
310.0	1.37	1.36	34.89	27.93	17.5	0.171	1460.5
320.0	1.33	1.31	34.90	27.94	16.6	0.173	1460.4
330.0	1.37	1.35	34.91	27.95	16.3	0.175	1460.8
340.0	1.36	1.34	34.91	27.95	15.7	0.176	1460.9
350.0	1.33	1.31	34.92	27.96	15.3	0.178	1461.0
360.0	1.31	1.30	34.92	27.96	15.0	0.179	1461.1
370.0	1.31	1.29	34.92	27.96	14.8	0.181	1461.2
380.0	1.27	1.26	34.92	27.97	14.5	0.182	1461.2
390.0	1.22	1.20	34.92	27.97	14.6	0.184	1461.2
400.0	1.17	1.15	34.92	27.97	14.0	0.185	1461.1
410.0	1.13	1.11	34.92	27.97	14.1	0.187	1461.1
420.0	1.08	1.06	34.92	27.98	13.5	0.188	1461.0
430.0	1.06	1.04	34.92	27.98	13.4	0.189	1461.1
440.0	1.02	1.00	34.92	27.98	13.0	0.191	1461.1
450.0	1.04	1.01	34.93	27.98	12.8	0.192	1461.4
460.0	1.03	1.01	34.93	27.99	12.6	0.193	1461.5
470.0	0.99	0.97	34.92	27.99	12.7	0.195	1461.5
480.0	0.95	0.92	34.92	27.99	12.4	0.196	1461.4
490.0	0.91	0.89	34.92	27.99	12.1	0.197	1461.4
500.0	0.89	0.87	34.92	27.99	12.1	0.198	1461.5
530.0	0.82	0.79	34.92	27.99	11.6	0.202	1461.7
560.0	0.81	0.78	34.93	28.00	11.0	0.205	1462.2
590.0	0.67	0.65	34.92	28.00	10.7	0.209	1462.0
620.0	0.63	0.60	34.92	28.01	10.2	0.212	1462.3
650.0	0.51	0.48	34.92	28.01	9.7	0.215	1462.3
680.0	0.42	0.39	34.92	28.02	9.3	0.218	1462.4
710.0	0.35	0.32	34.91	28.02	9.0	0.221	1462.6
740.0	0.28	0.25	34.91	28.02	8.6	0.223	1462.8
790.0	0.15	0.11	34.91	28.02	8.1	0.228	1463.0
840.0	0.07	0.03	34.90	28.02	7.8	0.232	1463.5
890.0	-0.04	-0.07	34.90	28.03	7.2	0.235	1463.8
940.0	-0.12	-0.16	34.90	28.03	6.8	0.239	1464.3
990.0	-0.18	-0.22	34.90	28.03	6.3	0.242	1464.8
1040.0	-0.24	-0.29	34.89	28.03	6.2	0.245	1465.4
1090.0	-0.29	-0.34	34.89	28.03	5.8	0.249	1466.0
1140.0	-0.34	-0.39	34.89	28.03	5.7	0.251	1466.6
1190.0	-0.39	-0.44	34.89	28.04	5.0	0.254	1467.3
1240.0	-0.44	-0.49	34.89	28.04	4.8	0.257	1467.9
1290.0	-0.48	-0.54	34.89	28.04	4.3	0.259	1468.5
1340.0	-0.51	-0.57	34.89	28.04	4.0	0.261	1469.2
1390.0	-0.56	-0.62	34.90	28.05	3.0	0.263	1469.9
1440.0	-0.58	-0.65	34.93	28.08	0.1	0.264	1470.7
1457.0	-0.59	-0.66	34.93	28.08	0.0	0.264	1470.9



FRAM 3 57 -1

4-17-81



FRAM 3 57 -1

4-17-81

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                                                     LAT = 82.9002N LNG =   6.7967E LTER =    30. LGER =    30.
                                                     AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND        DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.88  -1.88   33.07   26.61   141.5   0.000   1437.8       710.0   0.37    0.33   34.90   28.01    10.0   0.221   1462.6
   4.0  -1.88  -1.88   33.07   26.61   141.4   0.006   1437.9       740.0   0.29    0.25   34.90   28.01     9.7   0.225   1462.8
   5.0  -1.85  -1.85   33.07   26.61   141.5   0.007   1438.0       790.0   0.16    0.13   34.89   28.01     9.2   0.229   1463.1
  10.0  -1.79  -1.79   33.09   26.63   140.1   0.014   1438.4       840.0   0.06    0.03   34.89   28.02     8.6   0.234   1463.4
  15.0  -1.81  -1.81   33.28   26.78   125.4   0.021   1438.7       890.0  -0.03   -0.07   34.89   28.02     8.3   0.238   1463.8
  20.0  -1.83  -1.83   33.39   26.87   116.8   0.027   1438.8       940.0  -0.11   -0.15   34.88   28.02     8.0   0.242   1464.3
  25.0  -1.83  -1.83   33.43   26.90   113.7   0.033   1439.0       990.0  -0.17   -0.22   34.88   28.02     7.5   0.246   1464.8
  30.0  -1.84  -1.84   33.47   26.94   110.4   0.039   1439.1      1040.0  -0.24   -0.29   34.88   28.02     7.3   0.250   1465.4
  35.0  -1.84  -1.84   33.52   26.98   106.9   0.044   1439.2      1090.0  -0.29   -0.34   34.88   28.02     7.0   0.254   1466.0
  40.0  -1.85  -1.85   33.57   27.02   102.4   0.049   1439.4      1140.0  -0.35   -0.40   34.88   28.02     6.6   0.257   1466.6
  45.0  -1.84  -1.84   33.62   27.06    98.7   0.054   1439.5      1190.0  -0.40   -0.45   34.87   28.02     6.4   0.260   1467.2
  50.0  -1.83  -1.83   33.68   27.11    94.2   0.059   1439.7      1240.0  -0.44   -0.50   34.87   28.02     6.3   0.264   1467.8
  55.0  -1.83  -1.83   33.72   27.14    91.2   0.064   1439.9      1290.0  -0.48   -0.54   34.87   28.02     5.8   0.267   1468.5
  60.0  -1.81  -1.81   33.76   27.17    87.8   0.069   1440.1      1340.0  -0.51   -0.57   34.86   28.02     6.1   0.270   1469.2
  65.0  -1.80  -1.80   33.81   27.22    83.7   0.073   1440.3      1390.0  -0.55   -0.61   34.86   28.02     5.6   0.273   1469.9
  70.0  -1.81  -1.81   33.85   27.25    80.6   0.077   1440.4      1440.0  -0.58   -0.64   34.86   28.02     5.5   0.275   1470.6
  75.0  -1.83  -1.84   33.89   27.28    78.1   0.081   1440.4      1453.1  -0.58   -0.65   34.86   28.02     5.5   0.276   1470.8
  80.0  -1.84  -1.84   33.90   27.29    76.8   0.085   1440.5
  85.0  -1.84  -1.84   33.93   27.31    74.7   0.089   1440.6
  90.0  -1.84  -1.84   33.95   27.33    73.2   0.093   1440.8
  95.0  -1.83  -1.83   33.96   27.34    72.0   0.096   1440.9
 100.0  -1.81  -1.81   33.99   27.36    69.6   0.100   1441.1
 110.0  -1.74  -1.74   34.07   27.42    64.0   0.107   1441.7
 120.0  -1.61  -1.61   34.16   27.49    57.2   0.113   1442.6
 130.0  -1.51  -1.52   34.25   27.56    51.0   0.118   1443.4
 140.0  -1.42  -1.42   34.32   27.61    45.9   0.123   1444.1
 150.0  -1.37  -1.37   34.35   27.64    43.5   0.128   1444.5
 160.0  -1.19  -1.20   34.39   27.67    40.7   0.132   1445.6
 170.0  -0.65  -0.66   34.48   27.72    36.5   0.136   1448.4
 180.0  -0.30  -0.31   34.54   27.75    33.2   0.139   1450.3
 190.0  -0.13  -0.14   34.59   27.78    30.5   0.142   1451.3
 200.0   0.15   0.14   34.65   27.81    27.6   0.145   1452.8
 210.0   0.74   0.73   34.73   27.84    25.1   0.148   1455.8
 220.0   0.99   0.98   34.76   27.85    24.3   0.151   1457.1
 230.0   0.91   0.90   34.78   27.88    22.1   0.153   1456.9
 240.0   1.25   1.23   34.84   27.90    20.1   0.155   1458.7
 250.0   1.54   1.53   34.87   27.91    19.9   0.157   1460.2
 260.0   1.46   1.44   34.87   27.91    19.4   0.159   1460.0
 270.0   1.52   1.51   34.89   27.92    18.5   0.161   1460.5
 280.0   1.58   1.56   34.90   27.93    18.1   0.163   1460.9
 290.0   1.44   1.43   34.89   27.93    17.9   0.165   1460.5
 300.0   1.30   1.29   34.89   27.93    17.4   0.166   1460.0
 310.0   1.31   1.29   34.90   27.94    16.4   0.168   1460.2
 320.0   1.38   1.37   34.91   27.95    15.9   0.170   1460.7
 330.0   1.27   1.25   34.91   27.95    15.6   0.171   1460.4
 340.0   1.26   1.24   34.91   27.96    15.3   0.173   1460.5
 350.0   1.22   1.21   34.89   27.94    16.5   0.175   1460.5
 360.0   1.21   1.19   34.89   27.95    16.2   0.176   1460.6
 370.0   1.16   1.14   34.90   27.95    15.8   0.178   1460.5
 380.0   1.11   1.09   34.89   27.95    15.7   0.179   1460.4
 390.0   1.02   1.00   34.89   27.95    15.5   0.181   1460.2
 400.0   0.96   0.94   34.88   27.96    15.3   0.183   1460.1
 410.0   0.94   0.92   34.89   27.96    14.7   0.184   1460.2
 420.0   1.02   1.00   34.90   27.96    14.8   0.186   1460.7
 430.0   1.02   1.00   34.90   27.97    14.4   0.187   1460.9
 440.0   1.02   1.00   34.91   27.97    14.1   0.188   1461.1
 450.0   1.00   0.98   34.91   27.97    14.0   0.190   1461.2
 460.0   0.98   0.95   34.91   27.97    13.8   0.191   1461.2
 470.0   0.96   0.94   34.91   27.97    13.8   0.193   1461.3
 480.0   0.93   0.91   34.91   27.97    13.6   0.194   1461.3
 490.0   0.92   0.89   34.90   27.97    13.6   0.195   1461.4
 500.0   0.90   0.88   34.91   27.98    13.3   0.197   1461.6
 530.0   0.85   0.82   34.91   27.98    12.9   0.201   1461.8
 560.0   0.81   0.78   34.91   27.99    12.4   0.205   1462.2
 590.0   0.71   0.69   34.91   27.99    11.9   0.208   1462.2
 620.0   0.57   0.54   34.91   28.00    11.2   0.212   1462.1
 650.0   0.50   0.47   34.91   28.00    10.7   0.215   1462.3
 680.0   0.43   0.40   34.90   28.00    10.3   0.218   1462.4
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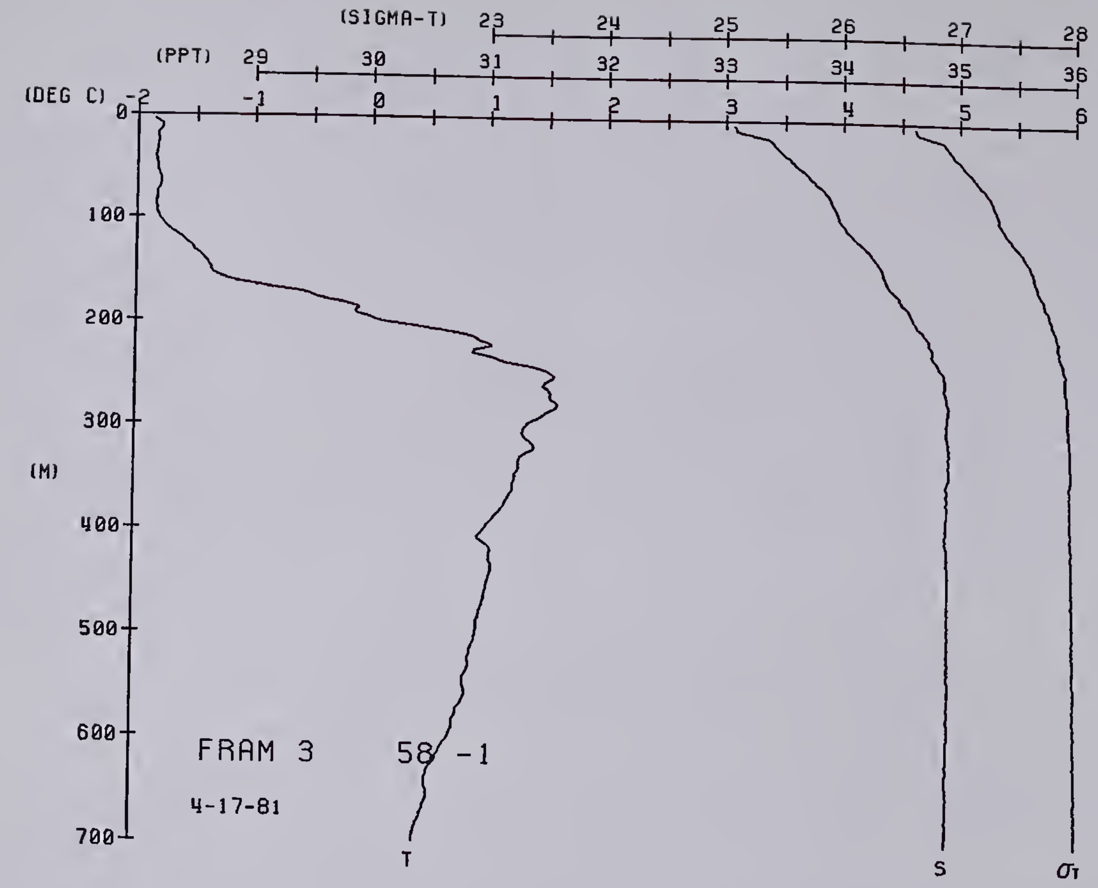
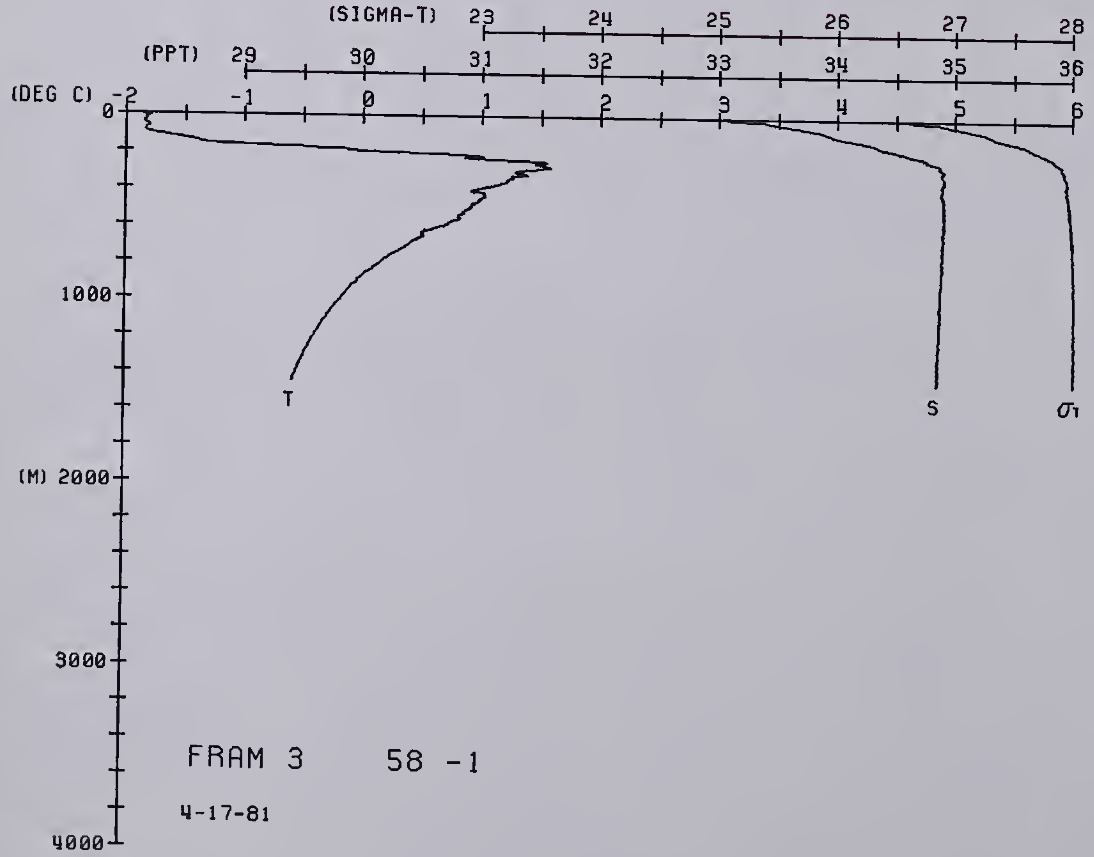


FRAM 3 58 -1

4-17-81



FRAM 3 58 -1

4-17-81

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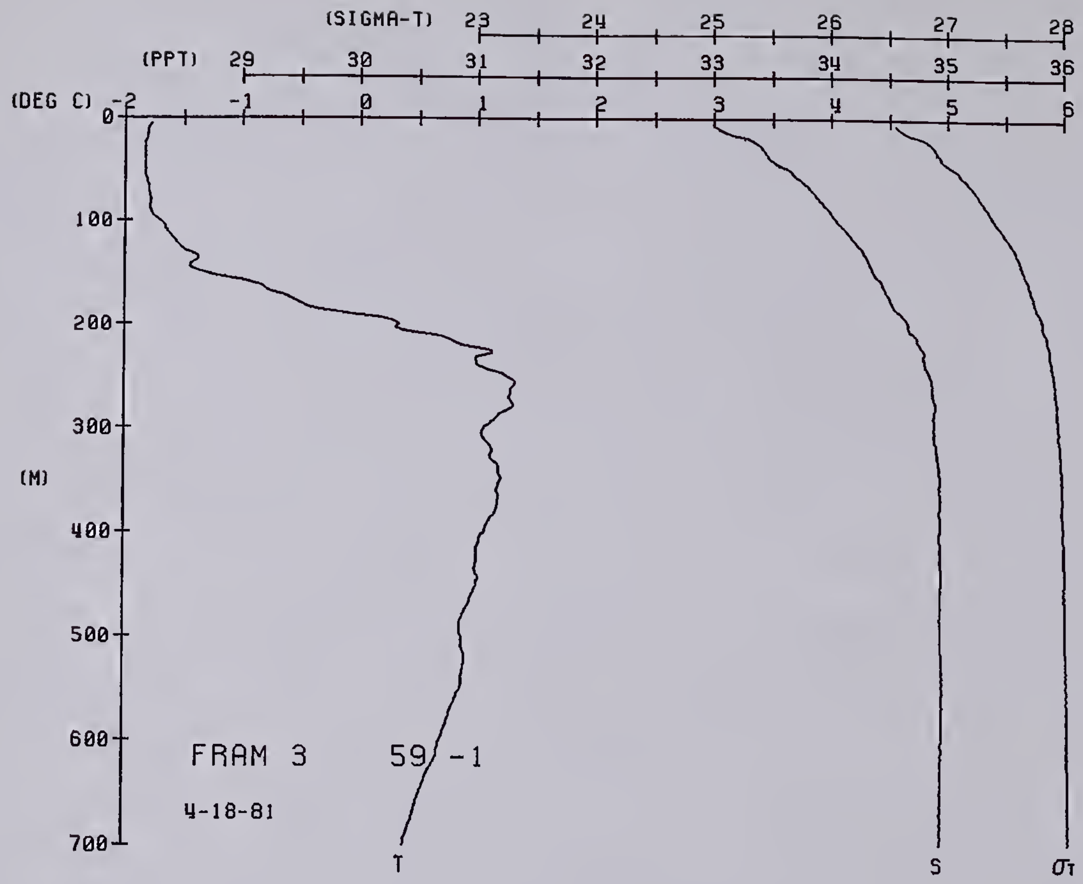
                                                 LAT = 82.8678N LNG =   6.7620E LTER =    30. LGER =    30.
                                                 AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

   DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND         DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

     0.0   -1.78   -1.78   32.99   26.55   147.8   0.000  1438.2         710.0    0.34    0.31   34.92   28.02     8.8   0.218  1462.5
     5.0   -1.78   -1.78   32.99   26.55   147.8   0.007  1438.3         740.0    0.27    0.24   34.91   28.02     8.5   0.221  1462.7
     5.9   -1.78   -1.78   32.99   26.55   147.8   0.009  1438.3         790.0    0.14    0.10   34.91   28.02     8.0   0.225  1463.0
    10.0   -1.81   -1.81   33.04   26.59   143.7   0.015  1438.3         840.0    0.03   -0.01   34.90   28.03     7.6   0.229  1463.3
    15.0   -1.81   -1.81   33.13   26.66   136.6   0.022  1438.5         890.0   -0.05   -0.09   34.90   28.03     7.2   0.233  1463.8
    20.0   -1.82   -1.82   33.30   26.80   123.6   0.029  1438.8         940.0   -0.13   -0.17   34.89   28.03     7.0   0.236  1464.2
    25.0   -1.83   -1.83   33.37   26.86   117.9   0.035  1438.9         990.0   -0.19   -0.23   34.89   28.03     6.6   0.240  1464.8
    30.0   -1.83   -1.83   33.41   26.89   114.7   0.041  1439.0        1040.0   -0.25   -0.29   34.89   28.03     6.2   0.243  1465.4
    35.0   -1.84   -1.84   33.45   26.92   112.0   0.046  1439.2        1090.0   -0.31   -0.35   34.89   28.03     6.1   0.246  1465.9
    40.0   -1.83   -1.83   33.48   26.94   109.7   0.052  1439.3        1140.0   -0.35   -0.41   34.89   28.03     5.6   0.249  1466.6
    45.0   -1.84   -1.84   33.56   27.01   103.7   0.057  1439.5        1190.0   -0.40   -0.45   34.88   28.03     5.6   0.252  1467.2
    50.0   -1.83   -1.83   33.64   27.07    97.4   0.062  1439.7        1240.0   -0.44   -0.50   34.88   28.03     5.4   0.255  1467.8
    55.0   -1.83   -1.83   33.69   27.11    93.7   0.067  1439.8        1290.0   -0.48   -0.54   34.88   28.03     5.3   0.257  1468.5
    60.0   -1.82   -1.82   33.74   27.15    89.7   0.072  1440.1        1340.0   -0.51   -0.57   34.88   28.03     5.0   0.260  1469.2
    65.0   -1.80   -1.81   33.79   27.20    85.7   0.076  1440.3        1390.0   -0.55   -0.61   34.87   28.03     4.9   0.263  1469.9
    70.0   -1.80   -1.80   33.83   27.23    82.7   0.080  1440.4        1440.0   -0.58   -0.65   34.87   28.03     4.5   0.265  1470.6
    75.0   -1.79   -1.79   33.87   27.26    79.6   0.085  1440.6        1457.0   -0.60   -0.66   34.88   28.03     4.2   0.266  1470.8
    80.0   -1.78   -1.78   33.91   27.29    76.7   0.089  1440.8
    85.0   -1.79   -1.79   33.95   27.32    73.5   0.092  1440.9
    90.0   -1.78   -1.78   33.98   27.35    70.7   0.096  1441.1
    95.0   -1.76   -1.76   34.01   27.38    68.5   0.099  1441.3
   100.0   -1.70   -1.71   34.05   27.41    65.5   0.103  1441.7
   110.0   -1.64   -1.64   34.13   27.47    59.6   0.109  1442.3
   120.0   -1.56   -1.57   34.21   27.53    53.9   0.115  1442.9
   130.0   -1.46   -1.46   34.27   27.58    49.0   0.120  1443.7
   140.0   -1.42   -1.42   34.32   27.62    45.6   0.125  1444.1
   150.0   -1.34   -1.34   34.36   27.65    42.5   0.129  1444.7
   160.0   -0.91   -0.91   34.43   27.69    39.2   0.133  1447.0
   170.0   -0.70   -0.71   34.48   27.72    36.3   0.137  1448.1
   180.0   -0.50   -0.51   34.52   27.74    33.9   0.141  1449.3
   190.0   -0.06   -0.07   34.60   27.79    29.7   0.144  1451.6
   200.0    0.33    0.32   34.65   27.80    28.9   0.147  1453.6
   210.0    0.60    0.59   34.71   27.84    25.4   0.150  1455.1
   220.0    0.88    0.87   34.76   27.86    23.9   0.152  1456.6
   230.0    1.03    1.01   34.78   27.87    23.2   0.155  1457.4
   240.0    1.00    0.99   34.80   27.88    21.7   0.157  1457.5
   250.0    1.24    1.23   34.84   27.90    20.1   0.159  1458.8
   260.0    1.28    1.27   34.86   27.91    19.4   0.161  1459.2
   270.0    1.26    1.25   34.86   27.92    18.6   0.163  1459.3
   280.0    1.28    1.26   34.88   27.93    17.7   0.165  1459.5
   290.0    1.14    1.13   34.87   27.93    17.3   0.167  1459.1
   300.0    1.04    1.03   34.87   27.94    16.7   0.168  1458.8
   310.0    1.04    1.03   34.87   27.94    16.6   0.170  1459.0
   320.0    1.11    1.09   34.89   27.95    15.6   0.172  1459.5
   330.0    1.11    1.09   34.90   27.96    14.9   0.173  1459.6
   340.0    1.17    1.15   34.91   27.96    14.6   0.175  1460.1
   350.0    1.18    1.17   34.92   27.97    14.2   0.176  1460.3
   360.0    1.15    1.14   34.91   27.97    14.3   0.178  1460.4
   370.0    1.16    1.14   34.92   27.97    13.8   0.179  1460.6
   380.0    1.14    1.12   34.91   27.97    14.3   0.180  1460.6
   390.0    1.08    1.06   34.92   27.98    13.5   0.182  1460.5
   400.0    1.05    1.03   34.92   27.98    13.2   0.183  1460.6
   410.0    1.00    0.98   34.92   27.98    13.2   0.184  1460.5
   420.0    0.98    0.96   34.92   27.98    13.0   0.186  1460.6
   430.0    0.98    0.96   34.92   27.98    12.8   0.187  1460.8
   440.0    0.98    0.96   34.93   27.99    12.2   0.188  1460.9
   450.0    0.98    0.96   34.92   27.99    12.6   0.190  1461.1
   460.0    0.94    0.92   34.92   27.99    12.4   0.191  1461.1
   470.0    0.91    0.89   34.92   27.99    12.4   0.192  1461.1
   480.0    0.87    0.84   34.92   27.99    12.3   0.193  1461.1
   490.0    0.85    0.82   34.92   27.99    12.1   0.195  1461.1
   500.0    0.86    0.83   34.92   27.99    12.0   0.196  1461.4
   530.0    0.87    0.85   34.93   28.00    11.5   0.199  1462.0
   560.0    0.81    0.78   34.93   28.00    11.1   0.203  1462.1
   590.0    0.70    0.68   34.93   28.01    10.6   0.206  1462.2
   620.0    0.62    0.59   34.92   28.01    10.5   0.209  1462.3
   650.0    0.50    0.47   34.92   28.01    10.0   0.213  1462.3
   680.0    0.42    0.39   34.92   28.01     9.4   0.215  1462.4
```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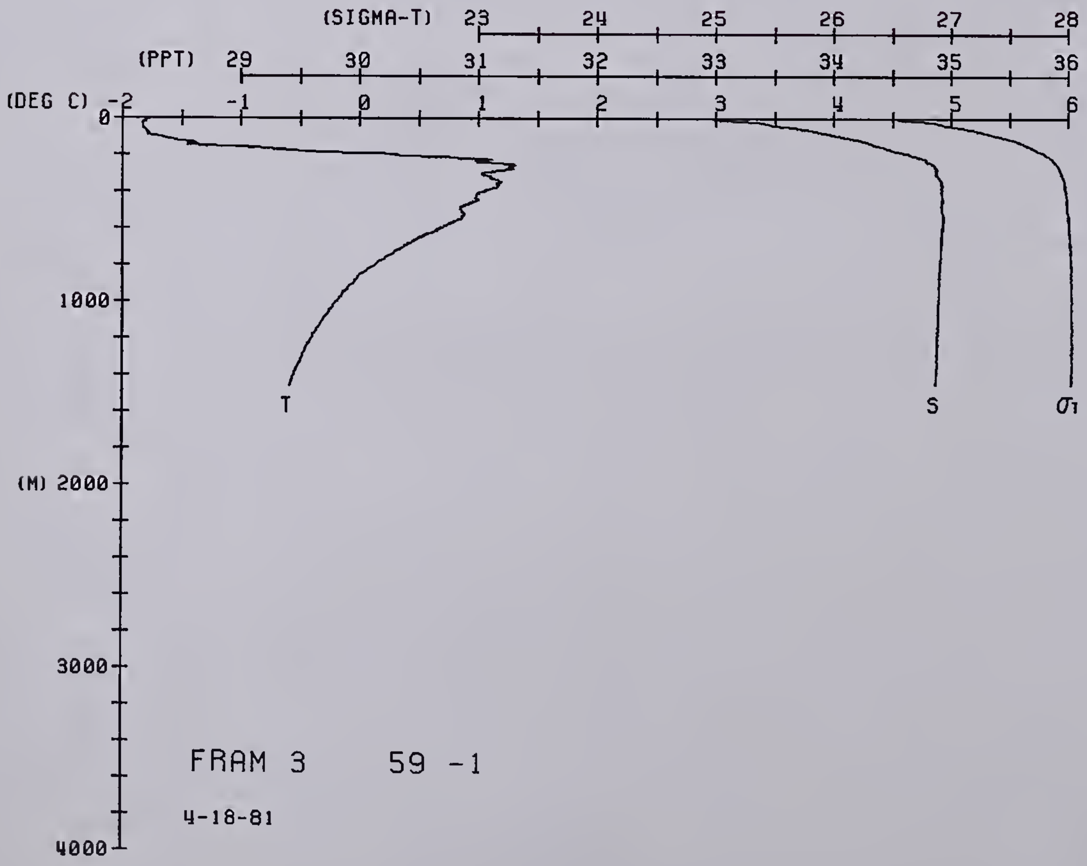
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 59 -1
4-18-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
T
S
σT
(M) 2000
3000
FRAM 3 59 -1
4-18-81
4000

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LAT = 83.0850N LNG =  12.1567E LTER =    300. LGER =    300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.84   -1.84   33.53   26.98   106.3   0.000  1438.7
    4.0   -1.84   -1.84   33.53   26.98   106.2   0.004  1438.7
    5.0   -1.84   -1.84   33.53   26.98   106.2   0.005  1438.7
   10.0   -1.84   -1.84   33.52   26.98   106.6   0.011  1438.8
   15.0   -1.84   -1.84   33.54   26.99   105.3   0.016  1438.9
   20.0   -1.85   -1.85   33.55   27.00   104.2   0.021  1439.0
   25.0   -1.85   -1.85   33.60   27.04   100.5   0.027  1439.1
   30.0   -1.85   -1.85   33.63   27.07    98.3   0.032  1439.3
   35.0   -1.85   -1.85   33.69   27.12    93.6   0.036  1439.4
   40.0   -1.85   -1.85   33.75   27.16    89.0   0.041  1439.6
   45.0   -1.85   -1.85   33.80   27.20    85.2   0.045  1439.8
   50.0   -1.85   -1.85   33.86   27.26    80.2   0.050  1439.9
   55.0   -1.85   -1.85   33.89   27.28    77.8   0.054  1440.1
   60.0   -1.85   -1.85   33.91   27.29    76.6   0.058  1440.2
   65.0   -1.84   -1.84   33.93   27.31    75.1   0.061  1440.3
   70.0   -1.85   -1.85   33.95   27.33    73.0   0.065  1440.4
   75.0   -1.84   -1.84   33.98   27.35    71.0   0.069  1440.5
   80.0   -1.84   -1.84   34.02   27.38    67.9   0.072  1440.7
   85.0   -1.85   -1.85   34.04   27.40    66.3   0.076  1440.7
   90.0   -1.85   -1.85   34.04   27.40    66.2   0.079  1440.8
   95.0   -1.85   -1.85   34.04   27.40    65.9   0.082  1440.9
  100.0   -1.84   -1.84   34.05   27.41    64.9   0.086  1441.1
  110.0   -1.78   -1.78   34.08   27.43    63.2   0.092  1441.5
  120.0   -1.68   -1.68   34.12   27.46    60.2   0.098  1442.3
  130.0   -1.55   -1.55   34.18   27.51    55.9   0.104  1443.1
  140.0   -1.48   -1.48   34.23   27.55    52.0   0.110  1443.7
  150.0   -1.34   -1.34   34.32   27.61    46.2   0.115  1444.6
  160.0   -1.53   -1.53   34.34   27.63    43.8   0.119  1443.9
  170.0   -1.11   -1.11   34.37   27.64    43.2   0.124  1446.1
  180.0   -0.58   -0.59   34.48   27.71    37.0   0.128  1448.9
  190.0   -0.18   -0.18   34.56   27.76    32.3   0.131  1451.0
  200.0    0.10    0.09   34.60   27.78    30.9   0.134  1452.5
  210.0    0.38    0.37   34.66   27.81    28.2   0.137  1454.0
  220.0    0.62    0.61   34.71   27.84    25.5   0.140  1455.4
  230.0    0.82    0.81   34.76   27.86    23.3   0.143  1456.5
  240.0    0.94    0.92   34.78   27.88    22.3   0.145  1457.2
  250.0    1.11    1.10   34.82   27.90    20.6   0.147  1458.2
  260.0    1.26    1.25   34.86   27.92    18.7   0.149  1459.1
  270.0    1.34    1.32   34.88   27.93    17.7   0.151  1459.6
  280.0    1.43    1.41   34.91   27.94    16.7   0.153  1460.2
  290.0    1.33    1.32   34.92   27.96    14.7   0.154  1460.0
  300.0    1.21    1.19   34.91   27.96    15.1   0.156  1459.6
  310.0    1.15    1.14   34.89   27.94    16.2   0.157  1459.5
  320.0    1.36    1.35   34.93   27.97    14.5   0.159  1460.7
  330.0    1.36    1.35   34.94   27.97    14.1   0.160  1460.8
  340.0    1.38    1.37   34.94   27.97    13.7   0.162  1461.1
  350.0    1.36    1.35   34.96   27.99    12.6   0.163  1461.2
  360.0    1.32    1.31   34.97   28.00    11.4   0.164  1461.2
  370.0    1.29    1.27   34.96   27.99    12.0   0.165  1461.2
  380.0    1.23    1.21   34.96   27.99    11.8   0.167  1461.1
  390.0    1.14    1.12   34.96   28.00    11.2   0.168  1460.9
  400.0    1.08    1.06   34.96   28.00    10.8   0.169  1460.7
  410.0    1.09    1.06   34.95   28.00    10.9   0.170  1460.9
  420.0    1.06    1.04   34.96   28.01    10.3   0.171  1461.0
  430.0    1.02    1.00   34.97   28.02     9.6   0.172  1461.0
  440.0    1.01    0.99   34.96   28.01    10.2   0.173  1461.1
  450.0    1.00    0.97   34.97   28.02     9.3   0.174  1461.2
  460.0    0.99    0.96   34.95   28.01    10.3   0.175  1461.3
  470.0    0.96    0.94   34.96   28.02     9.4   0.176  1461.4
  480.0    0.95    0.93   34.96   28.01     9.9   0.177  1461.5
  490.0    0.92    0.90   34.96   28.02     9.3   0.178  1461.5
  496.0    0.93    0.90   34.95   28.01    10.1   0.179  1461.7
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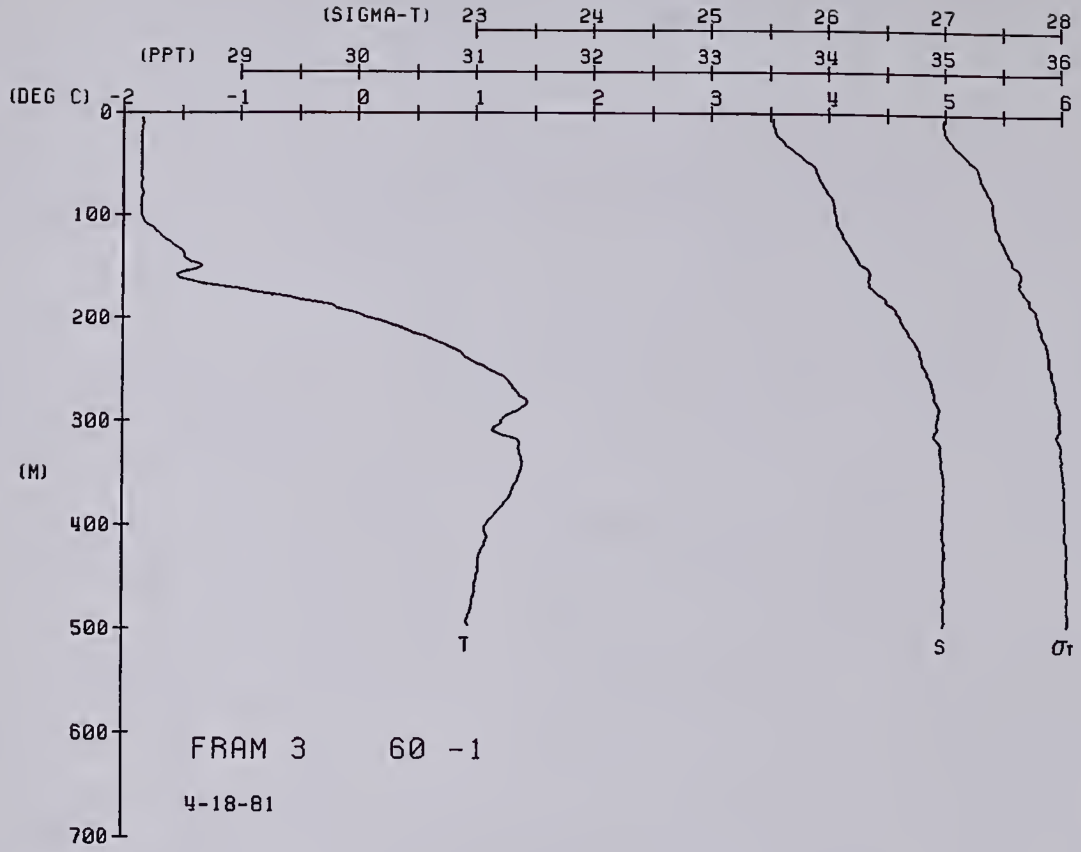

FRAM 3   60 -1

4-18-81

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                                   LAT = 82.8593N LNG =   6.7642E LTER =    30. LGER =    30.
                                   AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND            DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.21   -1.21   32.99   26.53   149.1   0.000  1440.9            710.0    0.33    0.30   34.92   28.02     8.7   0.215  1462.5
   5.0   -1.21   -1.21   32.99   26.53   149.1   0.008  1441.0            740.0    0.28    0.24   34.91   28.02     8.6   0.218  1462.7
   6.9   -1.21   -1.21   32.99   26.53   149.1   0.010  1441.0            790.0    0.14    0.10   34.90   28.02     8.2   0.222  1463.0
  10.0   -1.81   -1.81   33.04   26.59   143.4   0.015  1438.3            840.0    0.05    0.01   34.90   28.02     7.8   0.226  1463.4
  15.0   -1.82   -1.82   33.12   26.65   137.8   0.022  1438.4            890.0   -0.05   -0.08   34.90   28.03     7.4   0.230  1463.8
  20.0   -1.83   -1.83   33.27   26.78   125.9   0.029  1438.7            940.0   -0.12   -0.16   34.90   28.03     6.9   0.234  1464.3
  25.0   -1.84   -1.84   33.41   26.89   115.2   0.035  1438.9            990.0   -0.19   -0.23   34.89   28.03     6.5   0.237  1464.8
  30.0   -1.84   -1.84   33.44   26.92   112.4   0.041  1439.0           1040.0   -0.25   -0.30   34.89   28.03     6.5   0.241  1465.4
  35.0   -1.84   -1.84   33.47   26.94   110.5   0.046  1439.2           1090.0   -0.31   -0.35   34.89   28.03     6.0   0.244  1465.9
  40.0   -1.84   -1.84   33.49   26.96   108.7   0.052  1439.3           1140.0   -0.36   -0.41   34.89   28.03     5.6   0.247  1466.5
  45.0   -1.84   -1.84   33.54   26.99   105.1   0.057  1439.4           1190.0   -0.40   -0.45   34.88   28.03     5.6   0.250  1467.2
  50.0   -1.84   -1.84   33.62   27.06    99.1   0.062  1439.6           1240.0   -0.44   -0.50   34.88   28.03     5.2   0.252  1467.8
  55.0   -1.84   -1.84   33.66   27.09    95.4   0.067  1439.8           1290.0   -0.48   -0.54   34.88   28.03     5.2   0.255  1468.5
  60.0   -1.83   -1.83   33.70   27.13    92.5   0.072  1440.0           1340.0   -0.51   -0.57   34.87   28.03     5.2   0.258  1469.2
  65.0   -1.82   -1.82   33.75   27.17    88.3   0.077  1440.2           1390.0   -0.54   -0.60   34.87   28.03     5.1   0.260  1469.9
  70.0   -1.80   -1.81   33.80   27.21    84.6   0.081  1440.4           1440.0   -0.58   -0.64   34.87   28.03     4.6   0.263  1470.6
  75.0   -1.80   -1.80   33.86   27.26    79.9   0.085  1440.6           1457.0   -0.59   -0.66   34.87   28.03     4.9   0.264  1470.8
  80.0   -1.77   -1.77   33.92   27.30    75.5   0.089  1440.9
  85.0   -1.75   -1.75   33.97   27.35    71.4   0.093  1441.1
  90.0   -1.75   -1.75   34.01   27.38    68.3   0.096  1441.3
  95.0   -1.72   -1.73   34.04   27.40    66.1   0.100  1441.5
 100.0   -1.68   -1.68   34.09   27.44    62.6   0.103  1441.9
 110.0   -1.61   -1.61   34.17   27.50    57.0   0.109  1442.5
 120.0   -1.50   -1.51   34.25   27.56    51.1   0.114  1443.2
 130.0   -1.40   -1.40   34.30   27.60    47.1   0.119  1444.0
 140.0   -1.50   -1.50   34.33   27.63    44.3   0.124  1443.7
 150.0   -1.25   -1.25   34.38   27.66    41.6   0.128  1445.1
 160.0   -0.88   -0.88   34.44   27.69    38.4   0.132  1447.1
 170.0   -0.63   -0.64   34.50   27.73    35.3   0.136  1448.5
 180.0   -0.33   -0.34   34.55   27.76    32.8   0.140  1450.1
 190.0    0.12    0.11   34.61   27.79    30.1   0.143  1452.4
 200.0    0.25    0.24   34.66   27.82    27.2   0.146  1453.3
 210.0    0.70    0.69   34.72   27.84    25.4   0.148  1455.6
 220.0    0.99    0.98   34.77   27.86    24.0   0.151  1457.1
 230.0    0.97    0.96   34.79   27.88    22.0   0.153  1457.2
 240.0    1.09    1.08   34.82   27.90    20.6   0.155  1458.0
 250.0    1.12    1.10   34.83   27.90    20.2   0.157  1458.2
 260.0    1.07    1.05   34.84   27.91    19.0   0.159  1458.2
 270.0    1.14    1.12   34.86   27.93    17.7   0.161  1458.7
 280.0    1.13    1.12   34.87   27.93    17.5   0.163  1458.9
 290.0    1.06    1.05   34.87   27.93    17.0   0.165  1458.7
 300.0    1.09    1.08   34.88   27.95    16.1   0.166  1459.0
 310.0    1.09    1.07   34.89   27.95    15.4   0.168  1459.2
 320.0    1.09    1.07   34.90   27.96    14.9   0.170  1459.4
 330.0    1.13    1.12   34.91   27.96    14.5   0.171  1459.8
 340.0    1.18    1.17   34.92   27.97    14.1   0.172  1460.2
 350.0    1.23    1.21   34.92   27.97    14.3   0.174  1460.5
 360.0    1.19    1.17   34.92   27.97    13.9   0.175  1460.5
 370.0    1.14    1.12   34.92   27.97    13.6   0.177  1460.5
 380.0    1.09    1.07   34.92   27.97    13.8   0.178  1460.4
 390.0    1.00    0.98   34.91   27.97    13.6   0.180  1460.2
 400.0    0.96    0.94   34.91   27.98    13.1   0.181  1460.1
 410.0    0.95    0.93   34.91   27.98    13.0   0.182  1460.3
 420.0    0.97    0.95   34.92   27.98    12.9   0.183  1460.5
 430.0    0.97    0.94   34.92   27.99    12.3   0.185  1460.7
 440.0    0.98    0.96   34.93   27.99    12.1   0.186  1460.9
 450.0    0.97    0.95   34.92   27.99    12.5   0.187  1461.1
 460.0    0.95    0.93   34.92   27.99    12.3   0.189  1461.1
 470.0    0.92    0.90   34.92   27.99    12.4   0.190  1461.2
 480.0    0.90    0.88   34.92   27.99    12.0   0.191  1461.2
 490.0    0.89    0.87   34.92   27.99    12.3   0.192  1461.4
 500.0    0.88    0.86   34.92   27.99    11.8   0.193  1461.5
 530.0    0.86    0.84   34.93   28.00    11.5   0.197  1461.9
 560.0    0.81    0.78   34.93   28.00    10.8   0.200  1462.2
 590.0    0.71    0.68   34.93   28.01    10.5   0.204  1462.2
 620.0    0.63    0.61   34.92   28.01    10.4   0.207  1462.4
 650.0    0.53    0.50   34.92   28.01     9.7   0.210  1462.4
 680.0    0.43    0.40   34.92   28.01     9.4   0.213  1462.4
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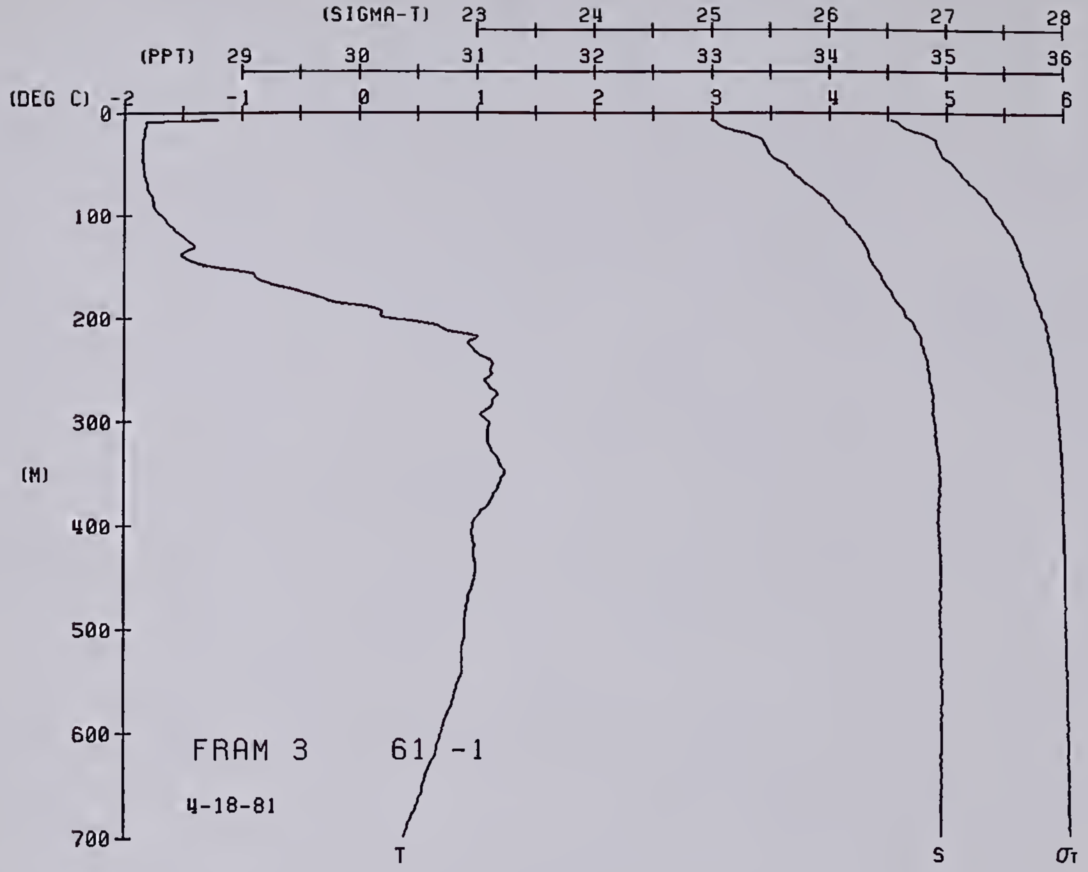
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(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
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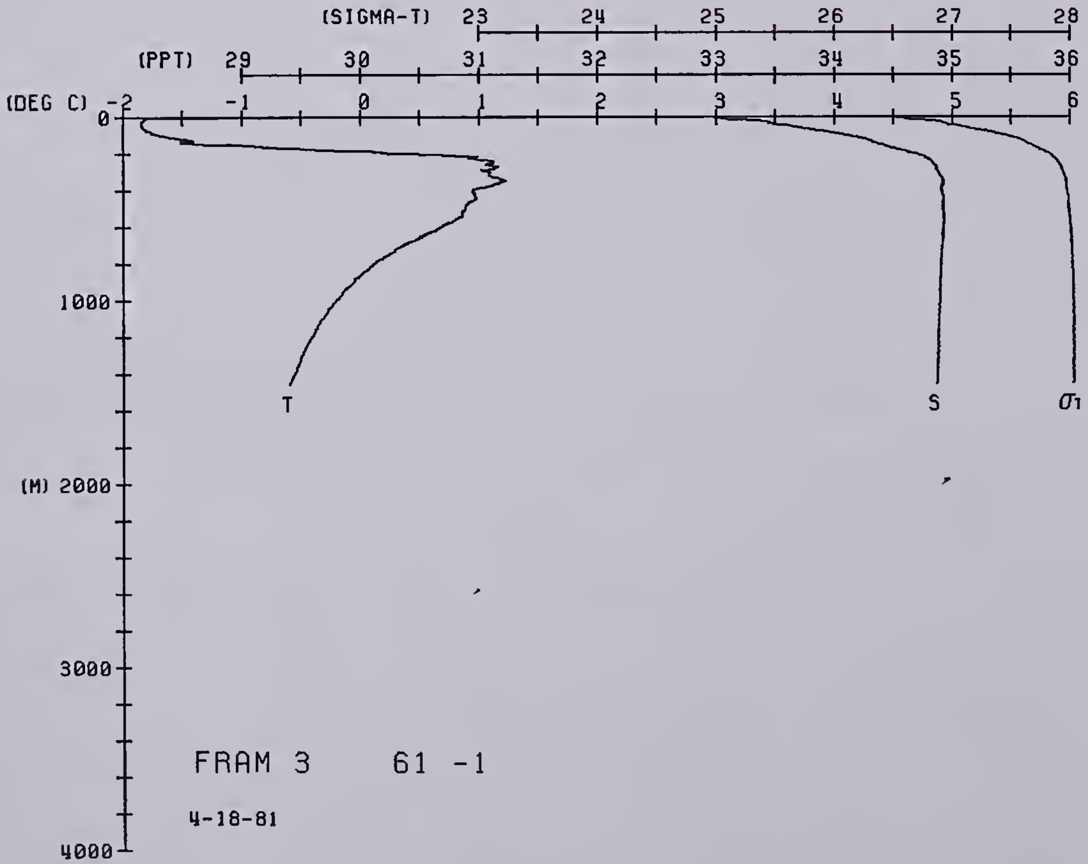
600
700
FRAM 3 61 -1
4-18-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 61 -1
4-18-81

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LAT = 82.5450N LNG =  12.5333E LTER =    300. LGER =    300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.89   -1.89   34.06   27.42    65.2   0.000   1439.1
   4.0   -1.89   -1.90   34.06   27.42    65.2   0.003   1439.2
   5.0   -1.89   -1.90   34.06   27.42    65.2   0.003   1439.2
  10.0   -1.89   -1.90   34.06   27.42    65.1   0.007   1439.3
  15.0   -1.89   -1.90   34.06   27.42    65.3   0.010   1439.4
  20.0   -1.90   -1.90   34.06   27.42    65.0   0.013   1439.5
  25.0   -1.90   -1.90   34.06   27.42    64.7   0.016   1439.5
  30.0   -1.90   -1.90   34.06   27.42    65.1   0.020   1439.6
  35.0   -1.90   -1.90   34.07   27.42    64.4   0.023   1439.7
  40.0   -1.90   -1.90   34.07   27.43    64.1   0.026   1439.8
  45.0   -1.90   -1.90   34.08   27.44    63.1   0.029   1439.9
  50.0   -1.90   -1.90   34.09   27.45    62.1   0.033   1440.0
  55.0   -1.88   -1.88   34.09   27.44    62.5   0.036   1440.2
  60.0   -1.79   -1.79   34.12   27.47    60.1   0.039   1440.7
  65.0   -1.68   -1.68   34.17   27.50    57.0   0.042   1441.4
  70.0   -1.63   -1.63   34.19   27.52    55.3   0.045   1441.8
  75.0   -1.58   -1.58   34.20   27.53    54.3   0.047   1442.1
  80.0   -1.44   -1.44   34.24   27.55    51.9   0.050   1442.9
  85.0   -1.28   -1.28   34.28   27.58    49.2   0.053   1443.8
  90.0   -1.04   -1.04   34.34   27.62    45.5   0.055   1445.1
  95.0   -0.89   -0.90   34.38   27.65    43.0   0.057   1445.9
 100.0   -0.53   -0.54   34.41   27.66    42.2   0.059   1447.7
 110.0    0.61    0.61   34.67   27.81    28.6   0.063   1453.4
 120.0    1.00    0.99   34.77   27.86    23.5   0.066   1455.5
 130.0    1.16    1.15   34.81   27.88    21.9   0.068   1456.4
 140.0    1.14    1.14   34.81   27.89    21.3   0.070   1456.5
 150.0    1.22    1.21   34.82   27.89    21.4   0.072   1457.0
 160.0    1.52    1.51   34.87   27.90    19.7   0.074   1458.6
 170.0    1.74    1.73   34.90   27.91    19.2   0.076   1459.8
 180.0    1.82    1.81   34.93   27.93    17.4   0.078   1460.4
 190.0    2.04    2.03   34.94   27.92    18.4   0.080   1461.5
 200.0    2.20    2.19   35.00   27.96    15.2   0.082   1462.5
 210.0    2.22    2.21   35.01   27.96    15.2   0.083   1462.7
 220.0    2.29    2.27   35.01   27.96    15.5   0.085   1463.2
 230.0    2.32    2.30   35.03   27.97    14.1   0.086   1463.5
 240.0    2.31    2.30   35.04   27.98    13.8   0.088   1463.6
 250.0    2.27    2.26   35.04   27.98    13.6   0.089   1463.6
 260.0    2.23    2.22   35.04   27.98    13.2   0.090   1463.6
 270.0    2.22    2.21   35.04   27.98    13.2   0.092   1463.8
 280.0    2.22    2.20   35.04   27.98    13.3   0.093   1463.9
 290.0    2.20    2.18   35.05   28.00    12.1   0.094   1464.0
 300.0    2.19    2.17   35.05   28.00    12.2   0.096   1464.1
 310.0    2.15    2.13   35.05   28.00    11.6   0.097   1464.1
 320.0    2.13    2.11   35.05   28.00    12.0   0.098   1464.2
 330.0    2.10    2.08   35.05   28.00    11.8   0.099   1464.2
 340.0    2.06    2.04   35.05   28.01    11.0   0.100   1464.2
 350.0    2.01    1.99   35.05   28.01    10.6   0.102   1464.2
 360.0    2.00    1.98   35.04   28.00    11.6   0.103   1464.3
 370.0    1.97    1.95   35.05   28.01    10.8   0.104   1464.3
 380.0    1.89    1.87   35.05   28.02    10.3   0.105   1464.1
 390.0    1.87    1.84   35.04   28.01    10.6   0.106   1464.2
 400.0    1.86    1.83   35.03   28.01    11.0   0.107   1464.3
 410.0    1.83    1.81   35.03   28.01    11.0   0.108   1464.3
 420.0    1.78    1.75   35.03   28.02    10.4   0.109   1464.3
 430.0    1.68    1.66   35.03   28.02    10.3   0.110   1464.0
 440.0    1.63    1.61   35.02   28.02    10.1   0.111   1464.0
 450.0    1.60    1.57   35.02   28.02    10.0   0.112   1464.0
 460.0    1.53    1.51   35.02   28.03     9.5   0.113   1463.9
 470.0    1.43    1.40   35.02   28.03     9.1   0.114   1463.5
 480.0    1.38    1.36   35.02   28.03     8.8   0.115   1463.5
 490.0    1.33    1.30   35.01   28.03     8.6   0.116   1463.4
 493.1    1.32    1.29   35.00   28.02     9.5   0.116   1463.4
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AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.83   -1.83   33.97   27.35    72.0   0.000   1439.4
   4.0   -1.83   -1.83   33.97   27.35    72.0   0.003   1439.4
   5.0   -1.83   -1.83   33.97   27.35    71.8   0.004   1439.4
  10.0   -1.83   -1.83   33.97   27.35    71.7   0.007   1439.5
  15.0   -1.83   -1.83   33.97   27.35    71.8   0.011   1439.6
  20.0   -1.82   -1.82   33.97   27.35    71.9   0.015   1439.7
  25.0   -1.82   -1.82   33.98   27.36    70.9   0.018   1439.8
  30.0   -1.81   -1.81   33.99   27.36    70.3   0.022   1440.0
  35.0   -1.79   -1.80   34.00   27.36    70.0   0.025   1440.1
  40.0   -1.77   -1.77   34.01   27.38    68.9   0.029   1440.3
  45.0   -1.75   -1.75   34.03   27.39    67.5   0.032   1440.5
  50.0   -1.71   -1.72   34.03   27.39    67.6   0.036   1440.8
  55.0   -1.64   -1.64   34.05   27.40    66.2   0.039   1441.2
  60.0   -1.55   -1.55   34.07   27.42    64.4   0.042   1441.8
  65.0   -1.43   -1.43   34.11   27.45    62.0   0.046   1442.5
  70.0   -1.32   -1.32   34.16   27.48    58.8   0.049   1443.2
  75.0   -1.14   -1.14   34.22   27.53    54.3   0.051   1444.2
  80.0   -1.05   -1.05   34.27   27.56    51.1   0.054   1444.8
  85.0   -1.02   -1.02   34.28   27.57    50.8   0.057   1445.0
  90.0   -0.99   -0.99   34.29   27.58    49.9   0.059   1445.2
  95.0   -0.91   -0.91   34.27   27.56    51.4   0.062   1445.7
 100.0   -0.75   -0.75   34.29   27.57    50.8   0.064   1446.5
 110.0   -0.43   -0.44   34.36   27.61    46.4   0.069   1448.2
 120.0   -0.13   -0.14   34.52   27.72    36.1   0.073   1450.0
 130.0    0.29    0.29   34.58   27.75    33.5   0.077   1452.2
 140.0    0.80    0.80   34.66   27.79    30.5   0.080   1454.8
 150.0    1.13    1.12   34.78   27.86    23.9   0.083   1456.6
 160.0    1.14    1.14   34.79   27.86    23.3   0.085   1456.8
 170.0    1.02    1.01   34.82   27.90    19.9   0.087   1456.5
 180.0    1.06    1.05   34.81   27.89    20.9   0.090   1456.8
 190.0    1.17    1.16   34.83   27.89    20.7   0.092   1457.5
 200.0    1.23    1.22   34.84   27.90    20.0   0.094   1458.0
 210.0    1.30    1.29   34.85   27.90    19.9   0.096   1458.4
 220.0    1.60    1.59   34.90   27.92    18.6   0.098   1460.0
 230.0    1.68    1.67   34.92   27.94    17.1   0.100   1460.5
 240.0    1.73    1.71   34.93   27.94    17.0   0.101   1460.9
 250.0    1.78    1.77   34.95   27.95    16.2   0.103   1461.4
 260.0    1.82    1.81   34.95   27.94    16.6   0.105   1461.7
 270.0    1.87    1.85   34.95   27.94    16.7   0.106   1462.1
 280.0    1.91    1.89   34.97   27.96    15.6   0.108   1462.4
 290.0    1.93    1.91   35.00   27.98    13.8   0.109   1462.8
 300.0    1.91    1.89   35.01   27.99    13.0   0.111   1462.8
 310.0    1.89    1.88   35.01   27.99    12.8   0.112   1462.9
 320.0    1.88    1.86   35.01   27.99    12.6   0.113   1463.0
 330.0    1.85    1.83   35.01   27.99    12.5   0.115   1463.1
 340.0    1.81    1.79   35.01   28.00    11.9   0.116   1463.1
 350.0    1.74    1.72   35.01   28.00    11.9   0.117   1462.9
 360.0    1.69    1.67   35.00   28.00    11.9   0.118   1462.9
 370.0    1.63    1.61   35.00   28.00    11.7   0.119   1462.8
 380.0    1.52    1.50   35.00   28.01    10.8   0.121   1462.5
 390.0    1.41    1.39   35.00   28.01    10.2   0.122   1462.1
 400.0    1.27    1.25   34.99   28.02     9.3   0.123   1461.7
 410.0    1.18    1.16   34.98   28.02     9.7   0.124   1461.4
 420.0    1.13    1.11   34.98   28.02     9.1   0.125   1461.3
 430.0    1.11    1.09   34.99   28.03     8.6   0.125   1461.5
 440.0    1.06    1.04   34.98   28.03     8.9   0.126   1461.4
 450.0    1.03    1.01   34.98   28.03     8.5   0.127   1461.4
 460.0    0.98    0.95   34.98   28.03     8.6   0.128   1461.3
 470.0    0.95    0.93   34.97   28.03     8.5   0.129   1461.4
 480.0    0.93    0.90   34.97   28.03     8.4   0.130   1461.4
 490.0    0.90    0.88   34.96   28.02     9.0   0.131   1461.5
 500.0    0.87    0.85   34.97   28.03     8.4   0.132   1461.5
 501.0    0.87    0.85   34.97   28.03     8.4   0.132   1461.5
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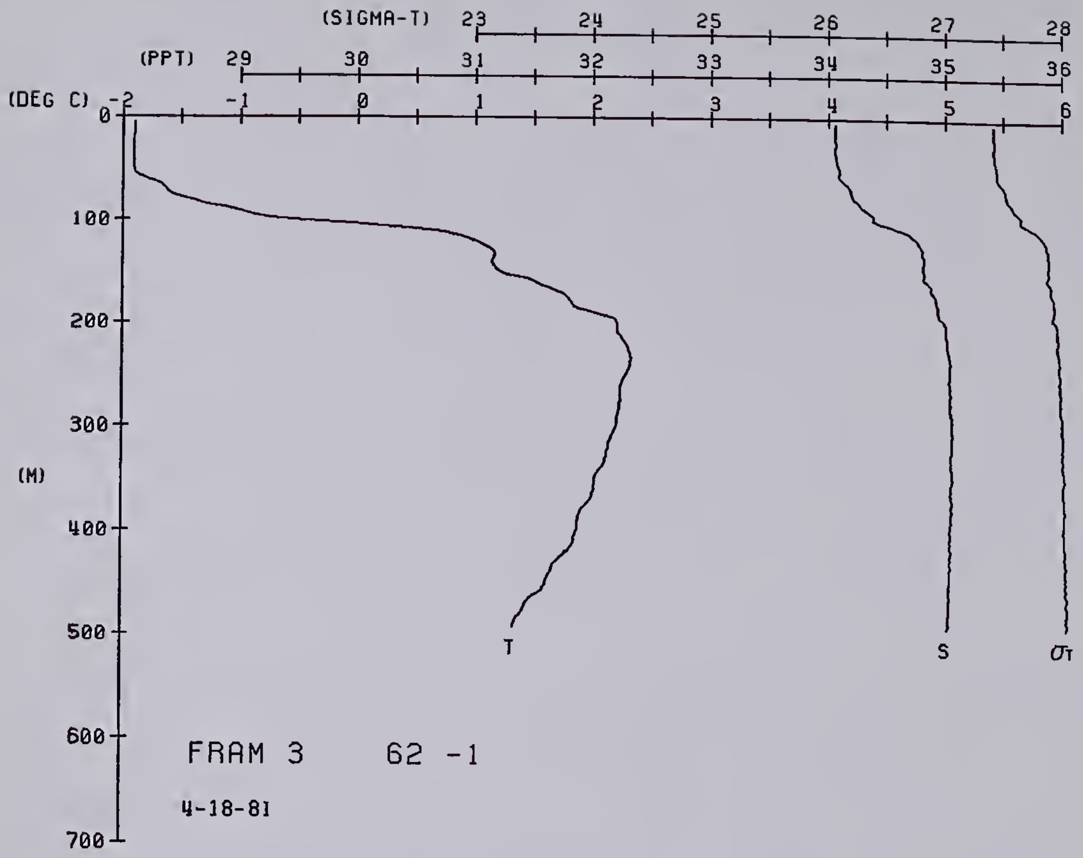
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(DEG C) -2 -1 0 1 2 3 4 5 6
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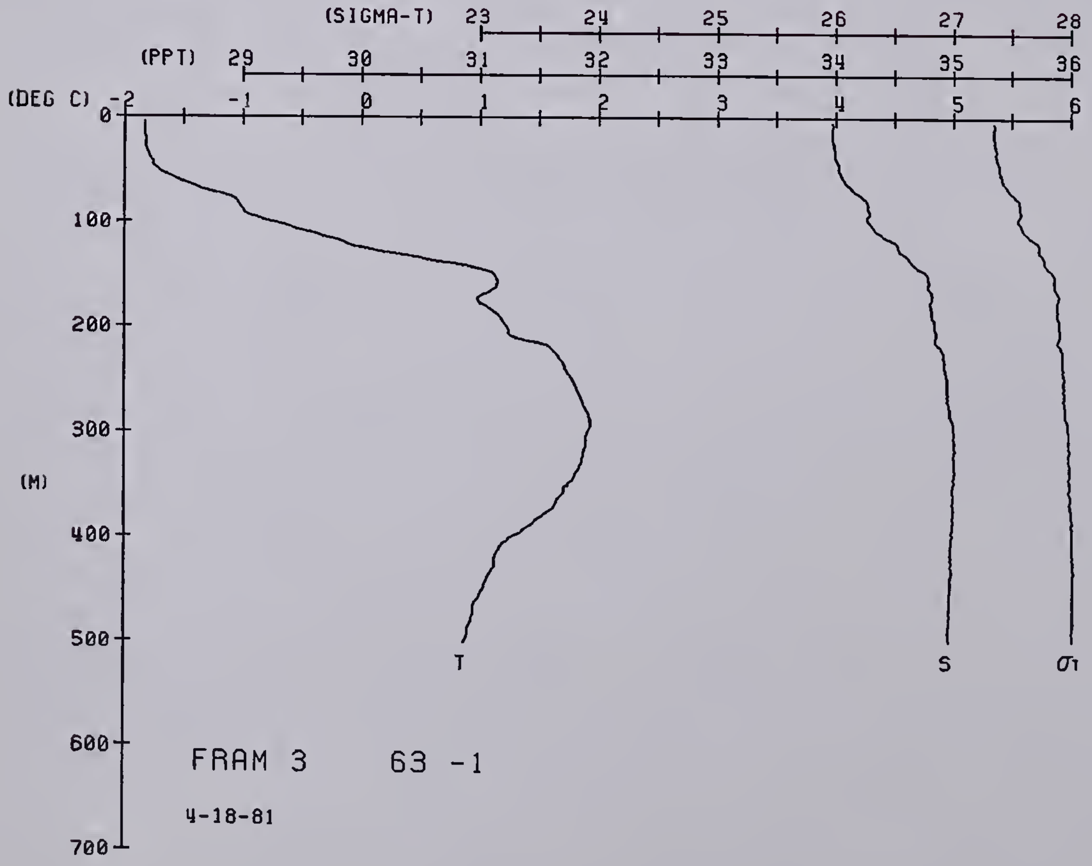
S
σT
FRAM 3 62 -1
4-18-81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(M)
400
500
600
700
T
S
σT
FRAM 3 63 -1
4-18-81

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LAT = 82.0700N LNG =  12.2917E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.89   -1.89   34.04   27.40    66.5   0.000  1439.1
   4.0   -1.89   -1.90   34.04   27.40    66.5   0.003  1439.2
   5.0   -1.89   -1.89   34.03   27.40    67.0   0.003  1439.2
  10.0   -1.88   -1.89   34.03   27.39    67.7   0.007  1439.3
  15.0   -1.89   -1.89   34.04   27.40    66.5   0.010  1439.4
  20.0   -1.89   -1.90   34.05   27.41    65.8   0.014  1439.5
  25.0   -1.89   -1.90   34.04   27.41    66.1   0.017  1439.5
  30.0   -1.89   -1.89   34.04   27.40    66.2   0.020  1439.6
  35.0   -1.89   -1.89   34.05   27.41    65.7   0.024  1439.7
  40.0   -1.88   -1.88   34.08   27.44    63.1   0.027  1439.9
  45.0   -1.85   -1.85   34.16   27.50    57.3   0.030  1440.3
  50.0   -1.81   -1.81   34.22   27.55    52.6   0.033  1440.6
  55.0   -1.79   -1.79   34.26   27.58    49.8   0.035  1440.8
  60.0   -1.73   -1.73   34.25   27.57    50.2   0.038  1441.2
  65.0   -1.58   -1.58   34.25   27.56    51.0   0.040  1442.0
  70.0   -1.44   -1.44   34.27   27.58    49.4   0.043  1442.8
  75.0   -1.33   -1.34   34.29   27.59    48.3   0.045  1443.4
  80.0   -1.24   -1.24   34.32   27.61    46.6   0.048  1443.9
  85.0   -1.12   -1.12   34.35   27.63    44.9   0.050  1444.6
  90.0   -0.97   -0.97   34.37   27.65    43.3   0.052  1445.5
  95.0   -0.79   -0.79   34.41   27.66    41.7   0.054  1446.4
 100.0   -0.51   -0.52   34.41   27.66    42.3   0.056  1447.8
 110.0   -0.16   -0.17   34.55   27.75    33.2   0.060  1449.8
 120.0    0.02    0.02   34.59   27.77    31.5   0.064  1450.8
 130.0    0.10    0.09   34.61   27.79    30.3   0.067  1451.4
 140.0    0.23    0.22   34.65   27.81    28.3   0.070  1452.2
 150.0    0.39    0.39   34.69   27.84    25.5   0.072  1453.2
 160.0    0.54    0.54   34.72   27.85    24.5   0.075  1454.0
 170.0    0.72    0.72   34.75   27.86    23.3   0.077  1455.1
 180.0    0.96    0.95   34.80   27.89    21.2   0.080  1456.3
 190.0    1.12    1.11   34.84   27.91    19.2   0.082  1457.3
 200.0    1.19    1.18   34.86   27.92    17.9   0.084  1457.8
 210.0    1.27    1.26   34.89   27.94    16.8   0.085  1458.4
 220.0    1.36    1.35   34.91   27.95    15.9   0.087  1459.0
 230.0    1.42    1.41   34.93   27.96    14.8   0.088  1459.4
 240.0    1.46    1.45   34.94   27.97    14.1   0.090  1459.8
 250.0    1.48    1.47   34.95   27.98    13.4   0.091  1460.0
 260.0    1.50    1.48   34.96   27.98    12.7   0.093  1460.3
 270.0    1.51    1.50   34.97   27.98    12.7   0.094  1460.5
 280.0    1.51    1.50   34.98   27.99    11.9   0.095  1460.7
 290.0    1.50    1.49   34.98   27.99    11.8   0.096  1460.9
 300.0    1.50    1.48   34.98   28.00    11.6   0.098  1461.0
 310.0    1.50    1.49   34.99   28.00    11.2   0.099  1461.2
 320.0    1.50    1.48   34.99   28.00    11.2   0.100  1461.3
 330.0    1.48    1.46   35.00   28.02     9.9   0.101  1461.4
 340.0    1.47    1.45   35.01   28.02     9.5   0.102  1461.5
 350.0    1.43    1.42   35.01   28.02     9.3   0.103  1461.6
 360.0    1.42    1.40   35.01   28.02     9.2   0.104  1461.7
 370.0    1.40    1.38   35.01   28.02     9.3   0.105  1461.8
 380.0    1.38    1.36   35.01   28.03     8.5   0.106  1461.8
 390.0    1.34    1.31   35.01   28.03     8.4   0.106  1461.8
 400.0    1.31    1.29   35.01   28.03     8.8   0.107  1461.9
 410.0    1.27    1.25   35.01   28.03     8.4   0.108  1461.8
 420.0    1.25    1.22   35.02   28.04     7.4   0.109  1461.9
 430.0    1.21    1.19   35.01   28.04     7.7   0.110  1461.9
 440.0    1.17    1.15   35.01   28.04     7.8   0.111  1461.9
 450.0    1.15    1.13   35.00   28.04     7.7   0.111  1462.0
 460.0    1.09    1.06   35.01   28.04     7.2   0.112  1461.9
 470.0    1.06    1.04   35.00   28.04     7.2   0.113  1461.9
 480.0    1.04    1.02   35.00   28.04     7.1   0.114  1462.0
 490.0    1.01    0.98   35.01   28.05     6.4   0.114  1462.0
 497.0    0.99    0.96   34.97   28.03     8.8   0.115  1462.0
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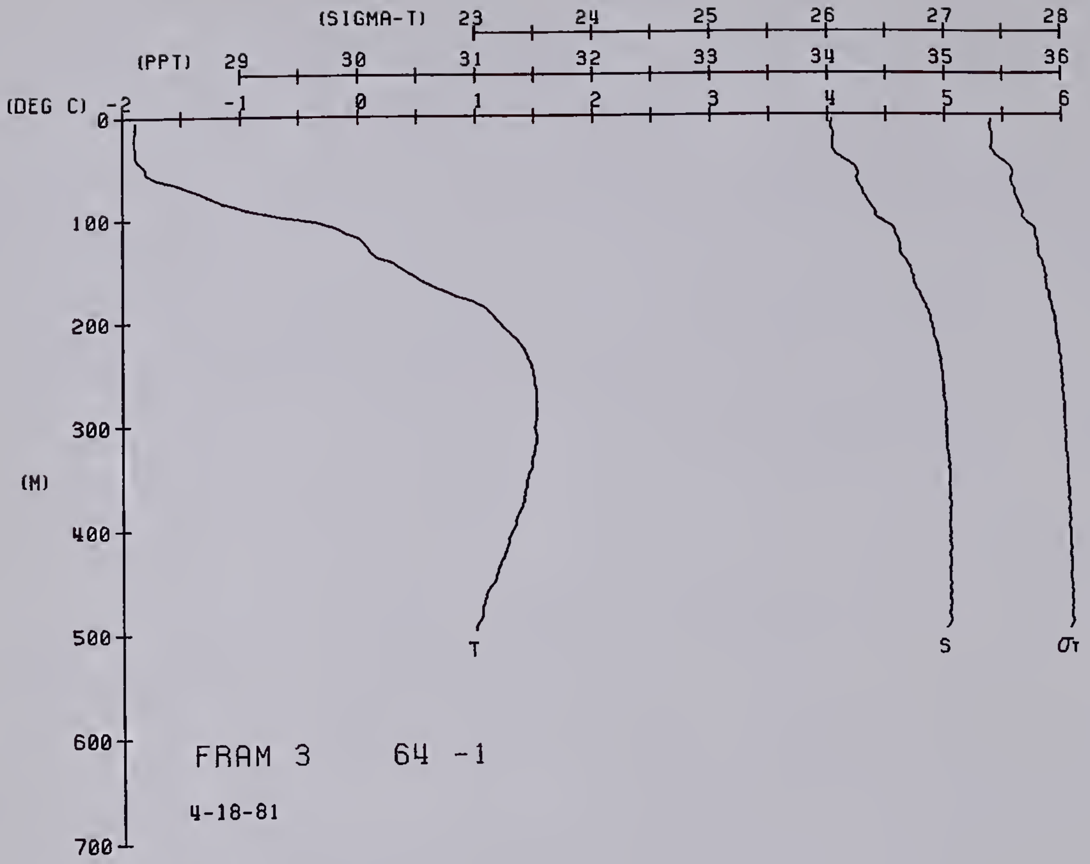

FRAM 3 64 -1

4-18-81

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                                           AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND          DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.80   -1.80   33.06   26.61   142.0   0.000  1438.2          710.0    0.33    0.30   34.92   28.02     8.6   0.211  1462.5
   4.0   -1.80   -1.81   33.06   26.61   142.0   0.006  1438.2          740.0    0.26    0.23   34.92   28.02     8.3   0.213  1462.7
   5.0   -1.80   -1.80   33.07   26.61   141.8   0.007  1438.3          790.0    0.12    0.09   34.91   28.03     7.8   0.217  1462.9
  10.0   -1.80   -1.80   33.09   26.63   139.6   0.014  1438.4          840.0    0.03   -0.01   34.90   28.03     7.4   0.221  1463.3
  15.0   -1.82   -1.82   33.19   26.71   132.3   0.021  1438.5          890.0   -0.08   -0.12   34.90   28.03     6.7   0.225  1463.6
  20.0   -1.82   -1.82   33.33   26.82   121.5   0.028  1438.8          940.0   -0.14   -0.18   34.90   28.03     6.6   0.228  1464.2
  25.0   -1.84   -1.84   33.42   26.90   114.1   0.034  1438.9          990.0   -0.19   -0.24   34.90   28.04     6.0   0.231  1464.8
  30.0   -1.84   -1.84   33.46   26.93   111.4   0.039  1439.1         1040.0   -0.26   -0.31   34.90   28.04     5.5   0.234  1465.3
  35.0   -1.84   -1.84   33.48   26.94   109.8   0.045  1439.2         1090.0   -0.32   -0.37   34.90   28.04     5.3   0.237  1465.9
  40.0   -1.84   -1.84   33.49   26.95   109.0   0.050  1439.3         1140.0   -0.37   -0.42   34.90   28.04     4.9   0.240  1466.5
  45.0   -1.84   -1.84   33.53   26.99   105.6   0.056  1439.4         1190.0   -0.40   -0.45   34.89   28.04     5.1   0.242  1467.2
  50.0   -1.84   -1.84   33.61   27.05    99.7   0.061  1439.6         1240.0   -0.44   -0.50   34.89   28.04     4.7   0.245  1467.9
  55.0   -1.85   -1.85   33.64   27.07    97.5   0.066  1439.7         1290.0   -0.48   -0.54   34.89   28.04     4.4   0.247  1468.5
  60.0   -1.85   -1.85   33.67   27.10    94.5   0.071  1439.8         1340.0   -0.51   -0.57   34.89   28.04     4.3   0.249  1469.2
  65.0   -1.83   -1.83   33.73   27.15    89.9   0.075  1440.1         1390.0   -0.55   -0.61   34.88   28.04     4.2   0.251  1469.9
  70.0   -1.82   -1.82   33.80   27.20    84.9   0.080  1440.3         1440.0   -0.57   -0.64   34.88   28.04     3.8   0.253  1470.6
  75.0   -1.80   -1.81   33.86   27.25    80.5   0.084  1440.5         1490.0   -0.60   -0.67   34.88   28.04     3.6   0.255  1471.4
  80.0   -1.77   -1.77   33.93   27.31    74.5   0.088  1440.9         1502.2   -0.61   -0.68   34.88   28.04     3.3   0.256  1471.5
  85.0   -1.74   -1.74   34.01   27.37    69.1   0.092  1441.2
  90.0   -1.72   -1.72   34.05   27.41    65.7   0.095  1441.5
  95.0   -1.68   -1.68   34.09   27.44    62.5   0.098  1441.8
 100.0   -1.64   -1.65   34.14   27.47    59.2   0.101  1442.1
 110.0   -1.55   -1.56   34.20   27.52    54.5   0.107  1442.8
 120.0   -1.46   -1.46   34.26   27.57    50.2   0.112  1443.5
 130.0   -1.47   -1.48   34.30   27.61    46.6   0.117  1443.6
 140.0   -1.38   -1.39   34.36   27.64    43.0   0.122  1444.3
 150.0   -1.04   -1.05   34.42   27.68    39.6   0.126  1446.1
 160.0   -0.81   -0.82   34.46   27.71    37.1   0.130  1447.5
 170.0   -0.48   -0.49   34.53   27.75    33.4   0.133  1449.2
 180.0    0.00   -0.01   34.59   27.78    31.1   0.137  1451.7
 190.0    0.28    0.27   34.66   27.81    27.6   0.140  1453.3
 200.0    0.50    0.50   34.69   27.83    26.4   0.142  1454.5
 210.0    0.54    0.54   34.73   27.86    23.9   0.145  1454.9
 220.0    0.81    0.80   34.78   27.88    22.0   0.147  1456.3
 230.0    1.14    1.13   34.84   27.90    19.7   0.149  1458.0
 240.0    1.43    1.42   34.87   27.91    19.4   0.151  1459.5
 250.0    1.47    1.46   34.88   27.91    19.0   0.153  1459.9
 260.0    1.56    1.55   34.90   27.93    17.9   0.155  1460.5
 270.0    1.57    1.56   34.90   27.93    17.9   0.157  1460.7
 280.0    1.47    1.46   34.90   27.93    17.5   0.159  1460.4
 290.0    1.43    1.42   34.90   27.94    17.0   0.161  1460.4
 300.0    1.42    1.40   34.91   27.94    16.7   0.162  1460.5
 310.0    1.48    1.46   34.92   27.95    15.8   0.164  1461.0
 320.0    1.44    1.43   34.93   27.96    15.4   0.165  1461.0
 330.0    1.39    1.37   34.93   27.96    14.9   0.167  1460.9
 340.0    1.34    1.32   34.93   27.96    14.7   0.168  1460.9
 350.0    1.31    1.29   34.92   27.96    14.7   0.170  1460.9
 360.0    1.24    1.23   34.92   27.97    14.4   0.171  1460.8
 370.0    1.23    1.21   34.93   27.97    14.1   0.173  1460.9
 380.0    1.19    1.17   34.92   27.97    13.9   0.174  1460.9
 390.0    1.10    1.08   34.91   27.97    14.1   0.176  1460.6
 400.0    1.04    1.02   34.92   27.98    13.3   0.177  1460.5
 410.0    1.03    1.01   34.92   27.98    13.1   0.178  1460.7
 420.0    1.02    1.00   34.92   27.98    12.8   0.180  1460.8
 430.0    1.00    0.98   34.93   27.99    12.4   0.181  1460.9
 440.0    1.00    0.97   34.93   27.99    12.4   0.182  1461.0
 450.0    0.99    0.97   34.93   27.99    12.2   0.184  1461.2
 460.0    0.98    0.95   34.93   27.99    12.0   0.185  1461.2
 470.0    0.94    0.92   34.93   27.99    11.9   0.186  1461.3
 480.0    0.92    0.90   34.93   27.99    11.8   0.187  1461.3
 490.0    0.90    0.87   34.93   28.00    11.5   0.188  1461.4
 500.0    0.88    0.86   34.93   28.00    11.5   0.190  1461.5
 530.0    0.86    0.83   34.93   28.00    11.0   0.193  1461.9
 560.0    0.81    0.79   34.94   28.01    10.6   0.196  1462.2
 590.0    0.66    0.63   34.93   28.01    10.1   0.199  1462.0
 620.0    0.57    0.54   34.93   28.01     9.7   0.202  1462.1
 650.0    0.52    0.49   34.93   28.02     9.3   0.205  1462.4
 680.0    0.36    0.33   34.92   28.02     8.8   0.208  1462.1
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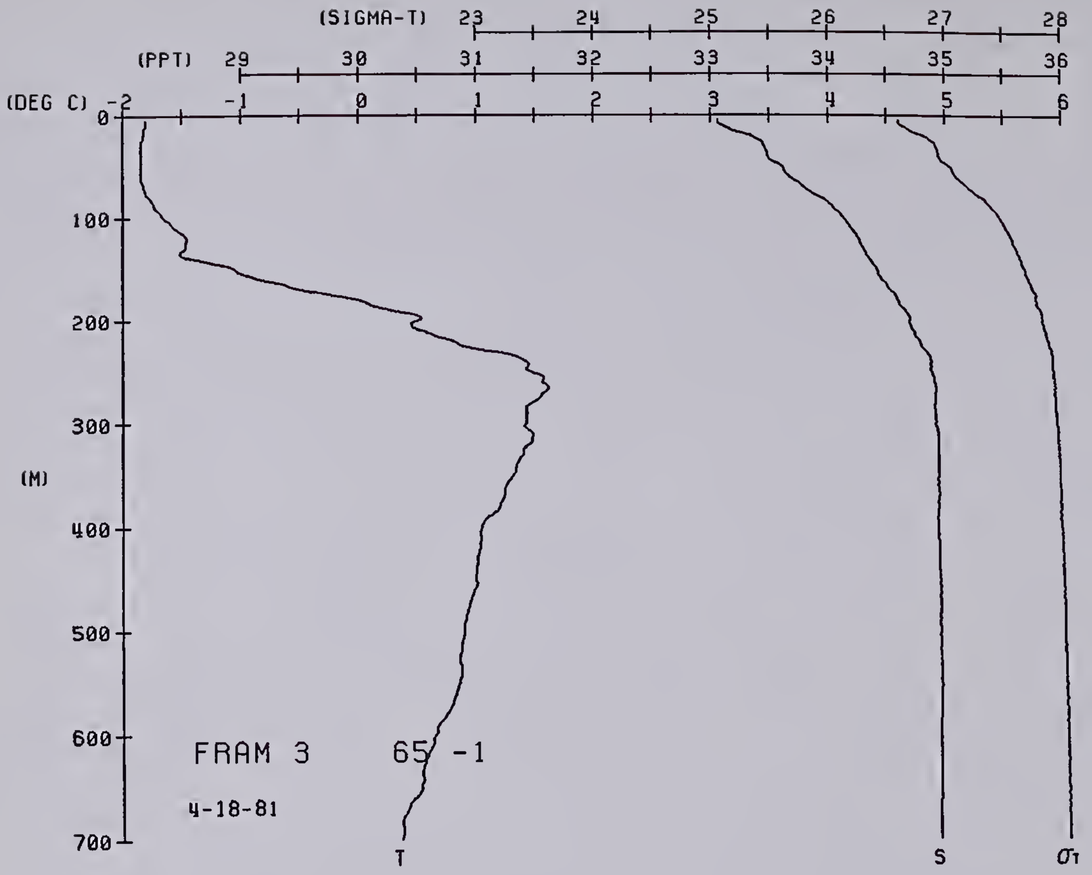
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4-18-81
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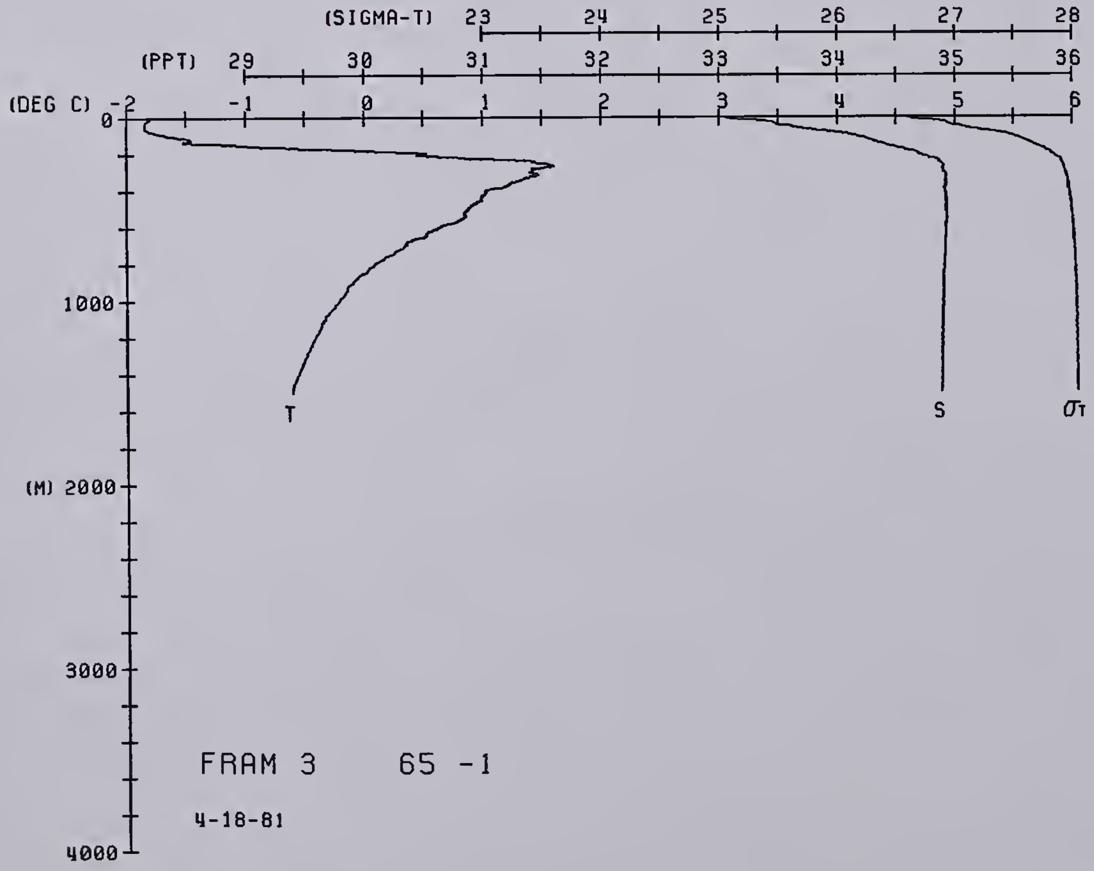
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   0.0  -1.81  -1.81  32.38  26.05  194.5  0.000  1437.2            710.0   0.28   0.25  34.91  28.02    8.5  0.216  1462.3
   4.0  -1.81  -1.81  32.38  26.05  194.5  0.008  1437.3            740.0   0.19   0.16  34.91  28.02    8.3  0.218  1462.4
   5.0  -1.80  -1.80  32.58  26.22  179.0  0.010  1437.6            790.0   0.08   0.04  34.90  28.02    7.8  0.222  1462.7
  10.0  -1.77  -1.78  33.05  26.60  143.0  0.018  1438.5            840.0  -0.01  -0.05  34.90  28.03    7.1  0.226  1463.1
  15.0  -1.79  -1.80  33.10  26.64  139.2  0.025  1438.5            890.0  -0.09  -0.13  34.90  28.03    7.0  0.230  1463.6
  20.0  -1.80  -1.81  33.22  26.74  129.6  0.032  1438.7            940.0  -0.17  -0.21  34.89  28.03    6.7  0.233  1464.0
  25.0  -1.82  -1.82  33.37  26.86  117.9  0.038  1439.0            990.0  -0.22  -0.27  34.89  28.03    6.4  0.236  1464.6
  30.0  -1.82  -1.82  33.44  26.92  112.4  0.044  1439.1           1040.0  -0.28  -0.32  34.89  28.03    6.2  0.240  1465.2
  35.0  -1.83  -1.83  33.47  26.93  110.7  0.050  1439.2           1090.0  -0.32  -0.37  34.89  28.03    5.7  0.243  1465.9
  40.0  -1.83  -1.83  33.49  26.96  108.6  0.055  1439.3           1140.0  -0.37  -0.42  34.88  28.03    5.7  0.246  1466.5
  45.0  -1.83  -1.83  33.58  27.03  101.8  0.060  1439.5           1190.0  -0.41  -0.46  34.88  28.03    5.6  0.248  1467.2
  50.0  -1.85  -1.85  33.65  27.08   96.6  0.065  1439.6           1240.0  -0.45  -0.50  34.88  28.03    5.1  0.251  1467.8
  55.0  -1.84  -1.84  33.70  27.12   92.9  0.070  1439.8           1290.0  -0.49  -0.54  34.88  28.03    5.0  0.254  1468.5
  60.0  -1.84  -1.84  33.73  27.15   90.3  0.075  1440.0           1340.0  -0.52  -0.58  34.88  28.04    4.6  0.256  1469.2
  65.0  -1.83  -1.83  33.78  27.19   86.7  0.079  1440.1           1390.0  -0.56  -0.62  34.88  28.03    4.5  0.258  1469.9
  70.0  -1.81  -1.81  33.84  27.24   81.8  0.084  1440.4           1440.0  -0.58  -0.65  34.88  28.04    4.1  0.261  1470.6
  75.0  -1.78  -1.78  33.91  27.29   76.5  0.088  1440.7           1490.0  -0.60  -0.67  34.87  28.03    4.3  0.263  1471.3
  80.0  -1.75  -1.75  33.98  27.35   71.4  0.091  1441.0           1540.0  -0.63  -0.70  34.87  28.03    4.0  0.265  1472.1
  85.0  -1.74  -1.74  34.02  27.39   67.7  0.095  1441.3           1590.0  -0.65  -0.72  34.87  28.03    4.0  0.267  1472.8
  90.0  -1.75  -1.75  34.06  27.41   64.9  0.098  1441.3           1640.0  -0.67  -0.75  34.87  28.04    3.4  0.269  1473.6
  95.0  -1.79  -1.79  34.08  27.43   63.2  0.101  1441.2           1690.0  -0.69  -0.77  34.87  28.04    3.3  0.271  1474.3
 100.0  -1.76  -1.77  34.11  27.45   61.1  0.105  1441.5           1740.0  -0.72  -0.80  34.87  28.04    2.9  0.272  1475.1
 110.0  -1.62  -1.62  34.17  27.50   56.4  0.110  1442.5           1790.0  -0.73  -0.81  34.87  28.04    2.5  0.274  1475.9
 120.0  -1.52  -1.52  34.24  27.56   51.1  0.116  1443.2           1840.0  -0.75  -0.84  34.89  28.05    1.0  0.274  1476.7
 130.0  -1.56  -1.57  34.30  27.60   46.8  0.121  1443.2           1890.0  -0.76  -0.85  34.89  28.06    0.7  0.275  1477.5
 140.0  -1.35  -1.35  34.37  27.65   42.3  0.125  1444.5           1940.0  -0.77  -0.86  34.89  28.05    0.8  0.275  1478.3
 150.0  -0.97  -0.98  34.42  27.69   39.2  0.130  1446.5           1990.0  -0.79  -0.88  34.89  28.05    0.6  0.276  1479.1
 160.0  -0.59  -0.59  34.49  27.72   35.8  0.133  1448.5           2040.0  -0.79  -0.88  34.89  28.05    0.6  0.276  1479.9
 170.0  -0.28  -0.29  34.56  27.76   32.2  0.137  1450.2           2090.0  -0.80  -0.90  34.89  28.05    0.3  0.276  1480.7
 180.0   0.11   0.10  34.63  27.80   29.1  0.140  1452.3           2140.0  -0.80  -0.91  34.89  28.05    0.2  0.276  1481.6
 190.0   0.59   0.58  34.71  27.84   25.8  0.143  1454.7           2190.0  -0.81  -0.91  34.89  28.05   -0.1  0.276  1482.4
 200.0   0.82   0.81  34.75  27.86   23.9  0.145  1456.0           2240.0  -0.81  -0.92  34.89  28.05   -0.2  0.276  1483.3
 210.0   1.81   1.80  34.88  27.89   21.2  0.147  1460.7           2290.0  -0.81  -0.93  34.89  28.06   -0.6  0.276  1484.1
 220.0   2.06   2.05  34.91  27.90   21.1  0.150  1462.1           2340.0  -0.81  -0.93  34.89  28.06   -0.6  0.276  1485.0
 230.0   1.96   1.95  34.90  27.90   20.9  0.152  1461.8           2390.0  -0.82  -0.94  34.89  28.06   -1.0  0.275  1485.8
 240.0   1.85   1.84  34.91  27.91   19.3  0.154  1461.5           2440.0  -0.81  -0.94  34.89  28.06   -0.7  0.275  1486.7
 250.0   2.07   2.05  34.95  27.92   18.6  0.156  1462.6           2490.0  -0.81  -0.95  34.89  28.06   -0.9  0.275  1487.6
 260.0   2.14   2.13  34.96  27.93   18.1  0.157  1463.1           2540.0  -0.81  -0.95  34.89  28.06   -1.2  0.274  1488.4
 270.0   1.95   1.94  34.95  27.93   17.8  0.159  1462.4           2590.0  -0.81  -0.95  34.89  28.06   -1.4  0.273  1489.3
 280.0   1.96   1.94  34.95  27.93   17.8  0.161  1462.6           2640.0  -0.81  -0.96  34.90  28.06   -1.8  0.273  1490.2
 290.0   1.87   1.86  34.94  27.94   17.4  0.163  1462.4           2690.0  -0.81  -0.96  34.89  28.06   -1.7  0.272  1491.1
 300.0   1.83   1.81  34.95  27.95   16.6  0.165  1462.4           2740.0  -0.81  -0.96  34.90  28.06   -2.2  0.271  1492.0
 310.0   1.80   1.78  34.95  27.95   16.3  0.166  1462.4           2790.0  -0.81  -0.96  34.90  28.07   -2.3  0.270  1492.9
 320.0   1.88   1.86  34.96  27.95   16.0  0.168  1463.0           2840.0  -0.80  -0.96  34.90  28.06   -2.3  0.268  1493.7
 330.0   1.76   1.74  34.95  27.95   15.9  0.170  1462.6           2890.0  -0.80  -0.96  34.90  28.06   -2.3  0.267  1494.6
 340.0   1.71   1.69  34.95  27.95   15.8  0.171  1462.5           2940.0  -0.79  -0.96  34.90  28.06   -2.3  0.266  1495.5
 350.0   1.60   1.59  34.94  27.96   15.6  0.173  1462.2           2990.0  -0.79  -0.96  34.90  28.07   -2.6  0.265  1496.4
 360.0   1.55   1.53  34.94  27.96   15.3  0.174  1462.2           3040.0  -0.78  -0.96  34.90  28.07   -2.6  0.263  1497.3
 370.0   1.49   1.47  34.94  27.96   15.2  0.176  1462.0           3090.0  -0.77  -0.95  34.90  28.07   -2.7  0.262  1498.2
 380.0   1.34   1.32  34.93  27.96   14.8  0.177  1461.6           3140.0  -0.77  -0.96  34.91  28.07   -3.1  0.261  1499.1
 390.0   1.37   1.35  34.94  27.97   14.2  0.179  1461.8           3190.0  -0.77  -0.96  34.91  28.07   -3.3  0.259  1500.0
 400.0   1.34   1.32  34.94  27.97   14.1  0.180  1461.9           3240.0  -0.76  -0.96  34.91  28.07   -3.4  0.257  1500.9
 410.0   1.18   1.16  34.92  27.97   14.1  0.182  1461.3           3290.0  -0.76  -0.96  34.91  28.07   -3.4  0.255  1501.8
 420.0   1.01   0.99  34.91  27.98   13.5  0.183  1460.7           3340.0  -0.75  -0.96  34.91  28.07   -3.7  0.254  1502.8
 430.0   1.05   1.03  34.92  27.98   13.3  0.184  1461.1           3390.0  -0.75  -0.96  34.91  28.07   -3.7  0.252  1503.7
 440.0   1.03   1.01  34.92  27.98   13.2  0.186  1461.2           3440.0  -0.75  -0.96  34.92  28.08   -3.9  0.250  1504.6
 450.0   1.01   0.98  34.92  27.98   12.7  0.187  1461.2           3490.0  -0.74  -0.96  34.92  28.08   -4.1  0.248  1505.5
 460.0   0.99   0.97  34.92  27.99   12.6  0.188  1461.3           3540.0  -0.74  -0.96  34.92  28.08   -4.2  0.246  1506.4
 470.0   0.96   0.94  34.92  27.98   12.6  0.190  1461.3           3558.7  -0.73  -0.95  34.92  28.07   -4.0  0.245  1506.7
 480.0   0.94   0.91  34.92  27.99   12.6  0.191  1461.4
 490.0   0.89   0.87  34.92  27.99   12.3  0.192  1461.4
 500.0   0.87   0.85  34.92  27.99   12.1  0.193  1461.4
 530.0   0.80   0.77  34.92  27.99   11.7  0.197  1461.6
 560.0   0.82   0.79  34.93  28.00   11.1  0.201  1462.2
 590.0   0.71   0.68  34.92  28.00   10.9  0.204  1462.2
 620.0   0.56   0.53  34.92  28.01   10.2  0.207  1462.0
 650.0   0.48   0.45  34.92  28.01    9.5  0.210  1462.2
 680.0   0.40   0.36  34.91  28.02    9.3  0.213  1462.3
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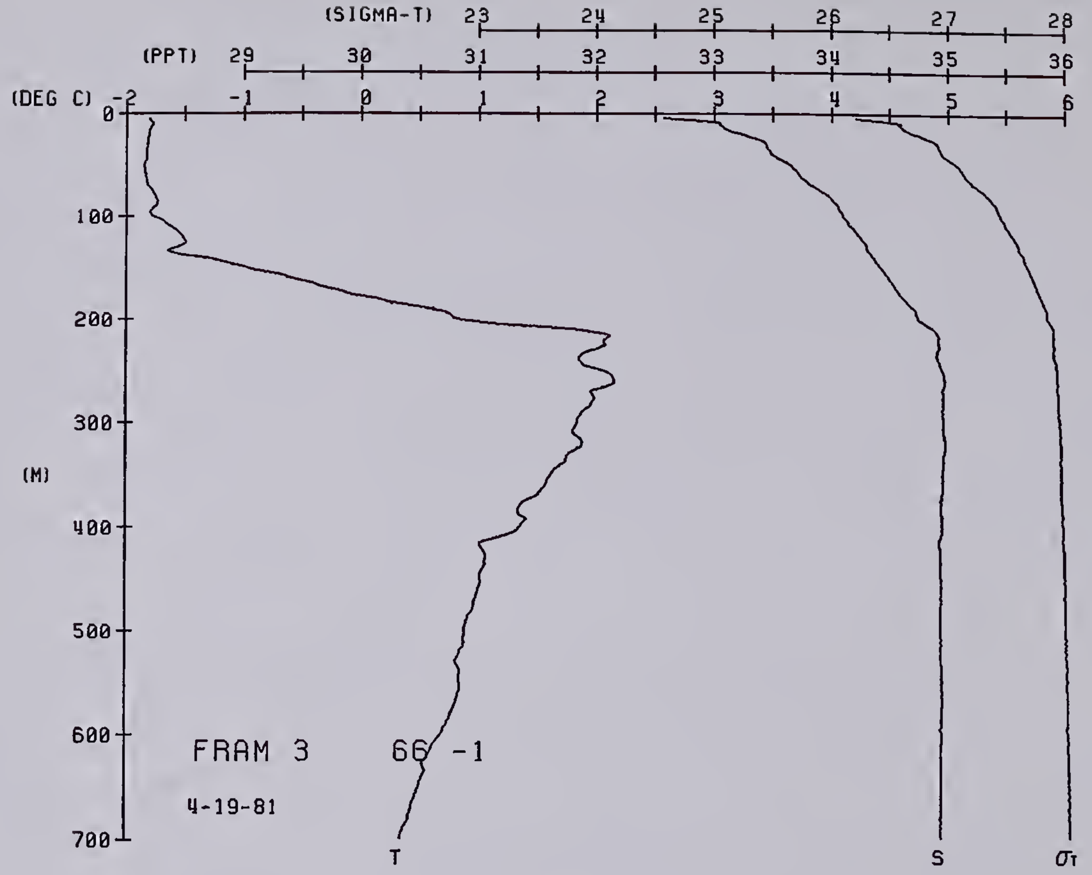
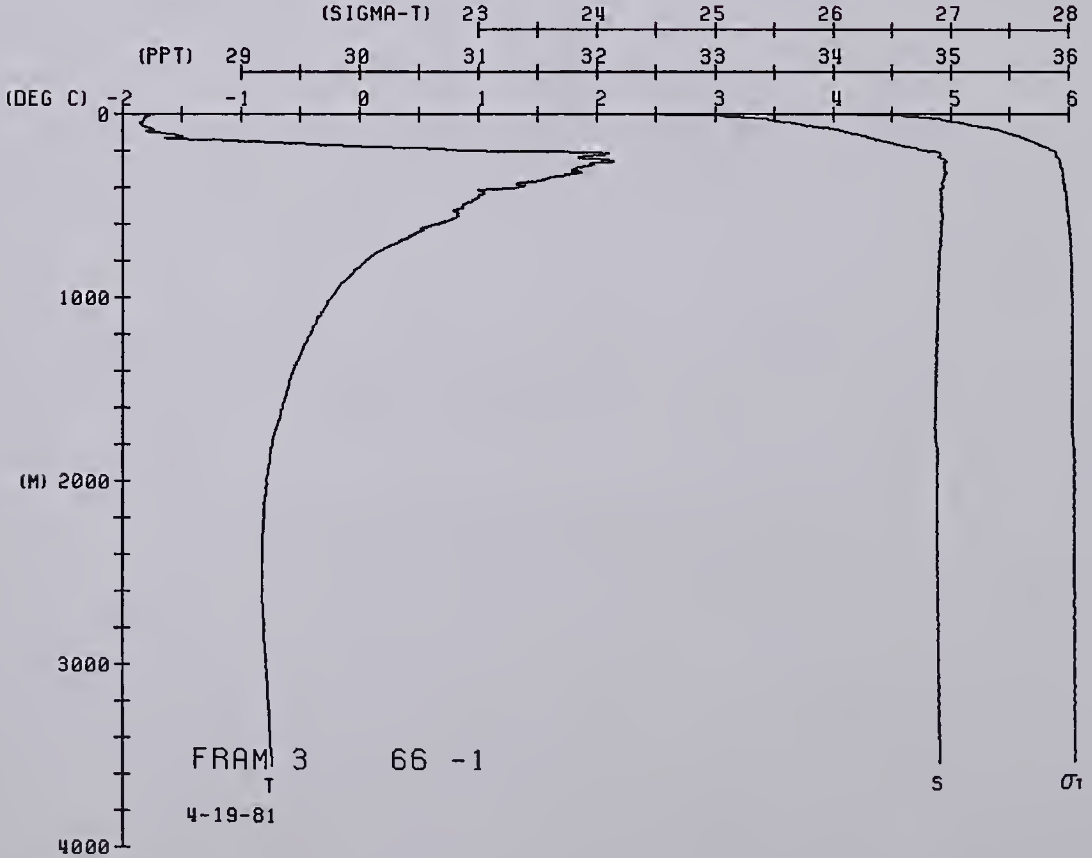


FRAM 3 66 -1

4-19-81



FRAM 3 66 -1

4-19-81

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 DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND            DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.79  -1.79  33.08  26.62  140.6  0.000  1438.2           710.0   0.25   0.22  34.90  28.01    9.2  0.211  1462.1
   4.0  -1.79  -1.80  33.08  26.62  140.6  0.006  1438.3           740.0   0.22   0.18  34.91  28.02    8.7  0.214  1462.5
   5.0  -1.80  -1.80  33.09  26.63  140.1  0.007  1438.3           790.0   0.12   0.09  34.90  28.02    8.3  0.218  1462.9
  10.0  -1.82  -1.82  33.12  26.65  137.6  0.014  1438.4           840.0   0.00  -0.04  34.90  28.02    7.8  0.222  1463.1
  15.0  -1.81  -1.81  33.19  26.71  132.0  0.021  1438.6           890.0  -0.09  -0.13  34.90  28.03    7.2  0.226  1463.6
  20.0  -1.83  -1.83  33.35  26.84  119.9  0.027  1438.8           940.0  -0.17  -0.21  34.89  28.03    7.1  0.230  1464.1
  25.0  -1.84  -1.84  33.44  26.91  113.0  0.033  1439.0           990.0  -0.23  -0.27  34.89  28.03    6.4  0.233  1464.6
  30.0  -1.84  -1.84  33.48  26.94  110.0  0.039  1439.1          1040.0  -0.27  -0.32  34.89  28.03    6.2  0.237  1465.2
  35.0  -1.84  -1.84  33.51  26.97  107.6  0.044  1439.2          1090.0  -0.32  -0.37  34.88  28.03    6.2  0.240  1465.8
  40.0  -1.84  -1.84  33.57  27.02  102.9  0.050  1439.4          1140.0  -0.38  -0.43  34.88  28.03    5.7  0.243  1466.5
  45.0  -1.84  -1.84  33.62  27.06   98.5  0.055  1439.6          1190.0  -0.42  -0.47  34.88  28.03    5.7  0.246  1467.1
  50.0  -1.84  -1.84  33.68  27.11   93.9  0.060  1439.7          1240.0  -0.46  -0.51  34.88  28.03    5.5  0.249  1467.8
  55.0  -1.85  -1.85  33.74  27.16   89.2  0.064  1439.9          1290.0  -0.50  -0.55  34.88  28.03    5.2  0.251  1468.4
  60.0  -1.84  -1.84  33.76  27.18   87.6  0.069  1440.0          1340.0  -0.52  -0.58  34.87  28.03    5.2  0.254  1469.1
  65.0  -1.83  -1.83  33.80  27.20   85.1  0.073  1440.2          1390.0  -0.55  -0.61  34.87  28.03    5.2  0.257  1469.9
  70.0  -1.81  -1.81  33.84  27.24   81.4  0.077  1440.4          1440.0  -0.58  -0.64  34.87  28.03    4.8  0.259  1470.6
  75.0  -1.79  -1.79  33.90  27.28   77.4  0.081  1440.7          1457.0  -0.58  -0.65  34.87  28.03    4.9  0.260  1470.9
  80.0  -1.78  -1.78  33.96  27.34   72.2  0.085  1440.9
  85.0  -1.76  -1.76  34.01  27.38   68.6  0.089  1441.1
  90.0  -1.77  -1.78  34.05  27.41   65.6  0.092  1441.2
  95.0  -1.79  -1.80  34.07  27.42   64.1  0.095  1441.2
 100.0  -1.76  -1.77  34.09  27.44   62.7  0.098  1441.5
 110.0  -1.68  -1.68  34.15  27.49   57.7  0.105  1442.1
 120.0  -1.53  -1.54  34.23  27.55   52.2  0.110  1443.1
 130.0  -1.42  -1.42  34.30  27.60   47.1  0.115  1443.9
 140.0  -1.27  -1.28  34.36  27.65   42.7  0.120  1444.8
 150.0  -0.96  -0.96  34.42  27.68   39.6  0.124  1446.5
 160.0  -0.62  -0.62  34.49  27.73   35.5  0.128  1448.4
 170.0  -0.21  -0.22  34.56  27.76   32.3  0.131  1450.5
 180.0   0.21   0.20  34.62  27.79   30.4  0.134  1452.7
 190.0   0.60   0.60  34.69  27.82   27.2  0.137  1454.8
 200.0   0.90   0.89  34.75  27.85   24.7  0.140  1456.3
 210.0   1.14   1.13  34.80  27.87   22.5  0.142  1457.7
 220.0   1.40   1.39  34.84  27.89   21.2  0.144  1459.1
 230.0   1.75   1.74  34.89  27.90   20.4  0.147  1460.8
 240.0   1.72   1.71  34.90  27.91   19.6  0.149  1460.9
 250.0   1.83   1.82  34.92  27.92   18.8  0.150  1461.5
 260.0   1.91   1.90  34.93  27.92   18.7  0.152  1462.1
 270.0   1.92   1.91  34.94  27.93   18.4  0.154  1462.3
 280.0   1.73   1.72  34.92  27.93   18.0  0.156  1461.6
 290.0   1.48   1.46  34.90  27.93   17.5  0.158  1460.6
 300.0   1.49   1.48  34.91  27.93   17.3  0.160  1460.9
 310.0   1.50   1.49  34.92  27.95   16.4  0.161  1461.1
 320.0   1.53   1.51  34.93  27.95   16.2  0.163  1461.4
 330.0   1.51   1.49  34.93  27.95   16.0  0.165  1461.5
 340.0   1.49   1.47  34.92  27.95   16.2  0.166  1461.5
 350.0   1.41   1.39  34.93  27.96   15.2  0.168  1461.3
 360.0   1.39   1.37  34.93  27.96   14.8  0.169  1461.4
 370.0   1.46   1.44  34.93  27.96   15.2  0.171  1461.9
 380.0   1.34   1.32  34.92  27.96   15.0  0.172  1461.5
 390.0   1.26   1.24  34.92  27.96   14.8  0.174  1461.4
 400.0   1.26   1.24  34.92  27.97   14.5  0.175  1461.5
 410.0   1.19   1.17  34.92  27.97   14.0  0.177  1461.3
 420.0   1.11   1.08  34.92  27.97   14.0  0.178  1461.1
 430.0   1.03   1.01  34.92  27.98   13.4  0.180  1461.0
 440.0   1.01   0.99  34.92  27.98   13.3  0.181  1461.1
 450.0   1.00   0.97  34.92  27.98   13.0  0.182  1461.2
 460.0   0.99   0.96  34.92  27.98   13.0  0.184  1461.3
 470.0   0.97   0.94  34.92  27.98   13.1  0.185  1461.4
 480.0   0.93   0.91  34.92  27.99   12.5  0.186  1461.4
 490.0   0.89   0.87  34.92  27.99   12.6  0.188  1461.3
 500.0   0.88   0.85  34.92  27.99   12.2  0.189  1461.5
 530.0   0.85   0.82  34.92  27.99   12.2  0.193  1461.8
 560.0   0.79   0.76  34.93  28.00   11.1  0.196  1462.1
 590.0   0.64   0.61  34.92  28.00   10.7  0.199  1461.9
 620.0   0.56   0.54  34.92  28.01   10.0  0.203  1462.1
 650.0   0.46   0.42  34.91  28.01    9.8  0.206  1462.1
 680.0   0.35   0.32  34.91  28.01    9.6  0.208  1462.1
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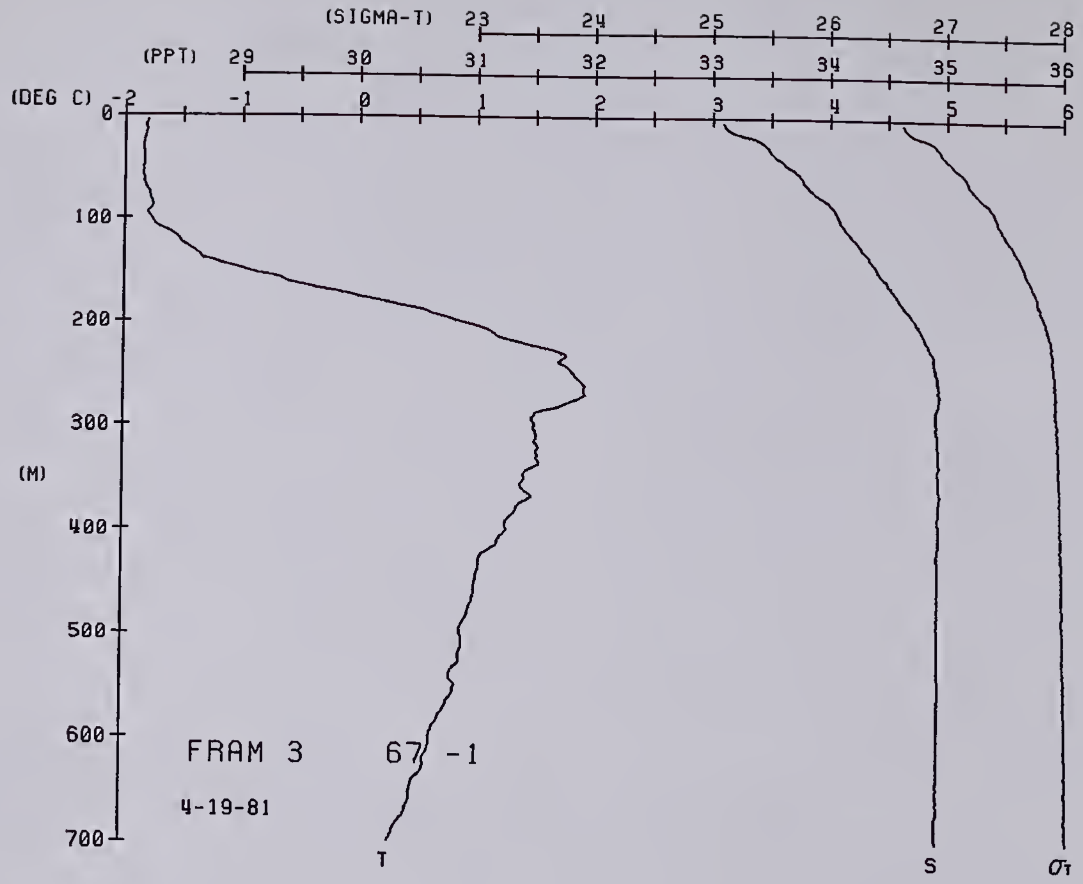
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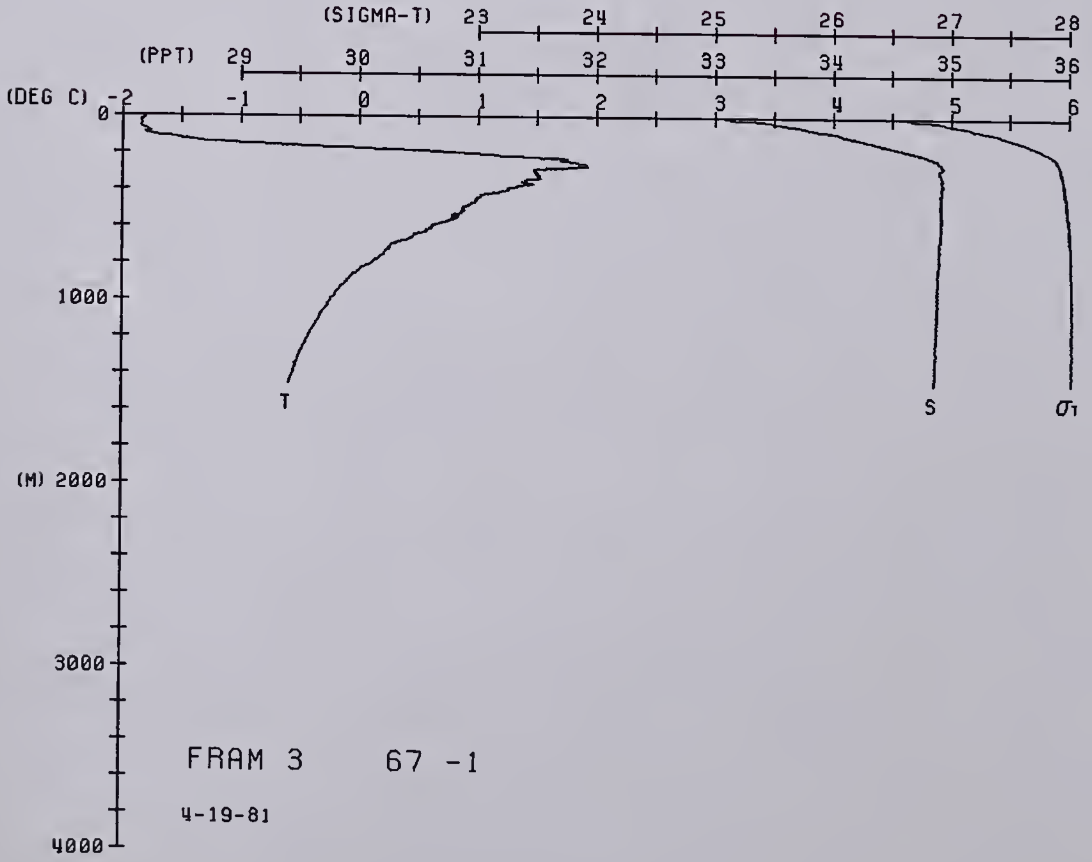
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                         AIR TEMP =    0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.74   -1.74   33.07   26.61   141.8   0.000   1438.5
   4.0   -1.74   -1.74   33.07   26.61   141.8   0.006   1438.6
   5.0   -1.76   -1.76   33.06   26.60   142.4   0.007   1438.5
  10.0   -1.81   -1.81   33.11   26.64   138.7   0.014   1438.4
  15.0   -1.82   -1.82   33.18   26.70   133.2   0.021   1438.5
  20.0   -1.83   -1.83   33.31   26.81   122.9   0.028   1438.8
  25.0   -1.83   -1.83   33.38   26.86   117.7   0.034   1438.9
  30.0   -1.83   -1.83   33.49   26.95   109.1   0.039   1439.1
  35.0   -1.84   -1.84   33.56   27.01   103.7   0.045   1439.3
  40.0   -1.84   -1.84   33.61   27.05    99.5   0.050   1439.4
  45.0   -1.83   -1.83   33.66   27.09    95.9   0.055   1439.6
  50.0   -1.82   -1.82   33.69   27.12    93.3   0.060   1439.8
  55.0   -1.83   -1.83   33.75   27.16    88.9   0.064   1440.0
  60.0   -1.82   -1.82   33.80   27.20    85.1   0.069   1440.1
  65.0   -1.81   -1.81   33.83   27.23    82.5   0.073   1440.3
  70.0   -1.79   -1.80   33.88   27.27    79.0   0.077   1440.5
  75.0   -1.79   -1.79   33.93   27.31    75.0   0.081   1440.7
  80.0   -1.78   -1.79   33.96   27.34    72.4   0.085   1440.9
  85.0   -1.79   -1.79   34.01   27.38    68.6   0.088   1441.0
  90.0   -1.77   -1.78   34.05   27.41    65.4   0.092   1441.2
  95.0   -1.76   -1.76   34.08   27.43    63.1   0.095   1441.4
 100.0   -1.73   -1.73   34.11   27.45    61.3   0.098   1441.7
 110.0   -1.63   -1.63   34.16   27.50    57.1   0.104   1442.4
 120.0   -1.51   -1.52   34.25   27.56    51.1   0.109   1443.2
 130.0   -1.39   -1.39   34.31   27.60    46.9   0.114   1444.1
 140.0   -1.23   -1.23   34.37   27.65    42.3   0.119   1445.0
 150.0   -0.91   -0.92   34.42   27.68    39.7   0.123   1446.8
 160.0   -0.42   -0.42   34.51   27.73    34.9   0.127   1449.3
 170.0   -0.01   -0.02   34.57   27.76    32.6   0.130   1451.5
 180.0    0.30    0.29   34.63   27.79    29.9   0.133   1453.1
 190.0    0.73    0.73   34.71   27.83    26.8   0.136   1455.4
 200.0    1.10    1.09   34.77   27.85    24.4   0.139   1457.3
 210.0    1.24    1.23   34.81   27.87    22.6   0.141   1458.1
 220.0    1.36    1.35   34.85   27.90    20.3   0.143   1458.9
 230.0    1.76    1.74   34.89   27.90    20.2   0.145   1460.8
 240.0    1.77    1.75   34.89   27.90    20.2   0.147   1461.1
 250.0    1.97    1.96   34.92   27.91    19.9   0.149   1462.2
 260.0    1.73    1.72   34.90   27.91    19.7   0.151   1461.2
 270.0    1.58    1.57   34.90   27.92    18.5   0.153   1460.7
 280.0    1.44    1.43   34.89   27.93    17.9   0.155   1460.3
 290.0    1.37    1.35   34.89   27.93    17.5   0.157   1460.1
 300.0    1.29    1.28   34.89   27.94    17.0   0.159   1460.0
 310.0    1.51    1.49   34.93   27.95    15.6   0.160   1461.1
 320.0    1.82    1.80   34.96   27.96    15.7   0.162   1462.7
 330.0    1.80    1.78   34.95   27.95    16.5   0.164   1462.8
 340.0    1.79    1.77   34.97   27.96    15.3   0.165   1462.9
 350.0    1.74    1.72   34.95   27.96    15.8   0.167   1462.8
 360.0    1.62    1.60   34.94   27.95    16.0   0.168   1462.5
 370.0    1.51    1.50   34.94   27.96    15.0   0.170   1462.2
 380.0    1.55    1.53   34.95   27.96    15.1   0.172   1462.5
 390.0    1.48    1.46   34.94   27.97    14.7   0.173   1462.3
 400.0    1.44    1.42   34.94   27.97    14.6   0.175   1462.3
 410.0    1.35    1.33   34.93   27.97    14.5   0.176   1462.1
 420.0    1.25    1.22   34.93   27.97    14.2   0.177   1461.8
 430.0    1.18    1.16   34.92   27.97    14.1   0.179   1461.7
 440.0    1.11    1.09   34.92   27.97    13.9   0.180   1461.5
 450.0    1.04    1.02   34.92   27.98    13.2   0.182   1461.4
 460.0    1.04    1.02   34.92   27.98    13.6   0.183   1461.5
 470.0    0.95    0.93   34.91   27.98    13.1   0.184   1461.3
 480.0    0.92    0.89   34.91   27.98    12.8   0.186   1461.3
 490.0    0.86    0.84   34.91   27.98    12.6   0.187   1461.2
 500.0    0.82    0.80   34.91   27.99    12.4   0.188   1461.2
 530.0    0.73    0.71   34.91   27.99    11.8   0.192   1461.3
 560.0    0.81    0.78   34.93   28.00    11.4   0.195   1462.2
 590.0    0.66    0.64   34.92   28.00    11.0   0.199   1462.0
 620.0    0.58    0.55   34.92   28.01    10.3   0.202   1462.1
 650.0    0.50    0.47   34.92   28.01     9.8   0.205   1462.3
 680.0    0.42    0.39   34.91   28.01     9.8   0.208   1462.4

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0    0.32    0.28   34.91   28.02     8.9   0.211   1462.4
 740.0    0.25    0.21   34.91   28.02     8.6   0.214   1462.6
 790.0    0.12    0.09   34.90   28.02     8.4   0.218   1462.9
 840.0    0.01   -0.03   34.89   28.02     8.1   0.222   1463.2
 890.0   -0.06   -0.10   34.89   28.02     7.5   0.226   1463.7
 940.0   -0.16   -0.20   34.89   28.03     7.1   0.230   1464.1
 990.0   -0.22   -0.27   34.89   28.03     6.9   0.233   1464.6
1040.0   -0.27   -0.32   34.88   28.03     6.7   0.237   1465.3
1090.0   -0.31   -0.36   34.88   28.03     6.3   0.240   1465.9
1140.0   -0.36   -0.41   34.88   28.03     6.0   0.243   1466.5
1190.0   -0.41   -0.46   34.88   28.03     5.8   0.246   1467.2
1240.0   -0.44   -0.50   34.88   28.03     5.4   0.249   1467.8
1290.0   -0.48   -0.54   34.87   28.03     5.5   0.252   1468.5
1340.0   -0.52   -0.58   34.87   28.03     5.1   0.255   1469.2
1390.0   -0.55   -0.61   34.87   28.03     5.1   0.257   1469.9
1440.0   -0.57   -0.64   34.87   28.03     4.9   0.260   1470.6
1490.0   -0.61   -0.67   34.86   28.03     4.9   0.262   1471.3
1517.9   -0.62   -0.69   34.87   28.03     4.2   0.264   1471.7
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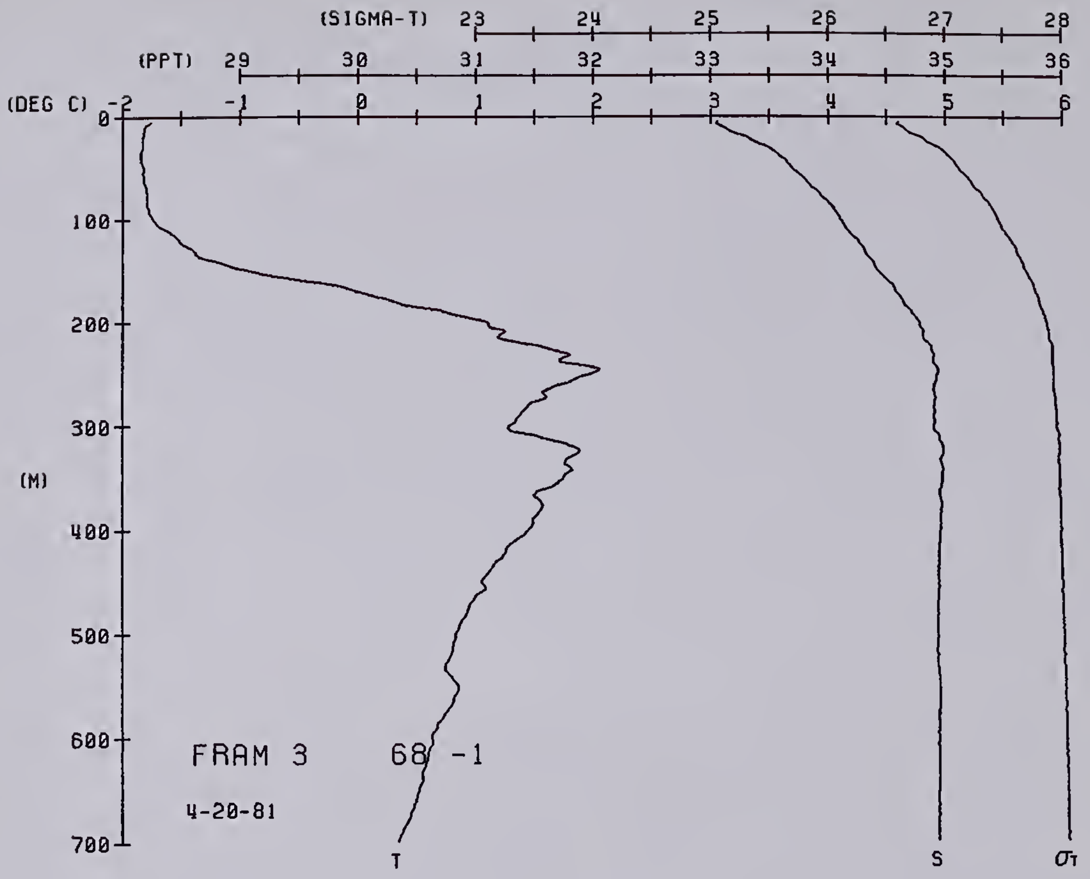
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4-20-81
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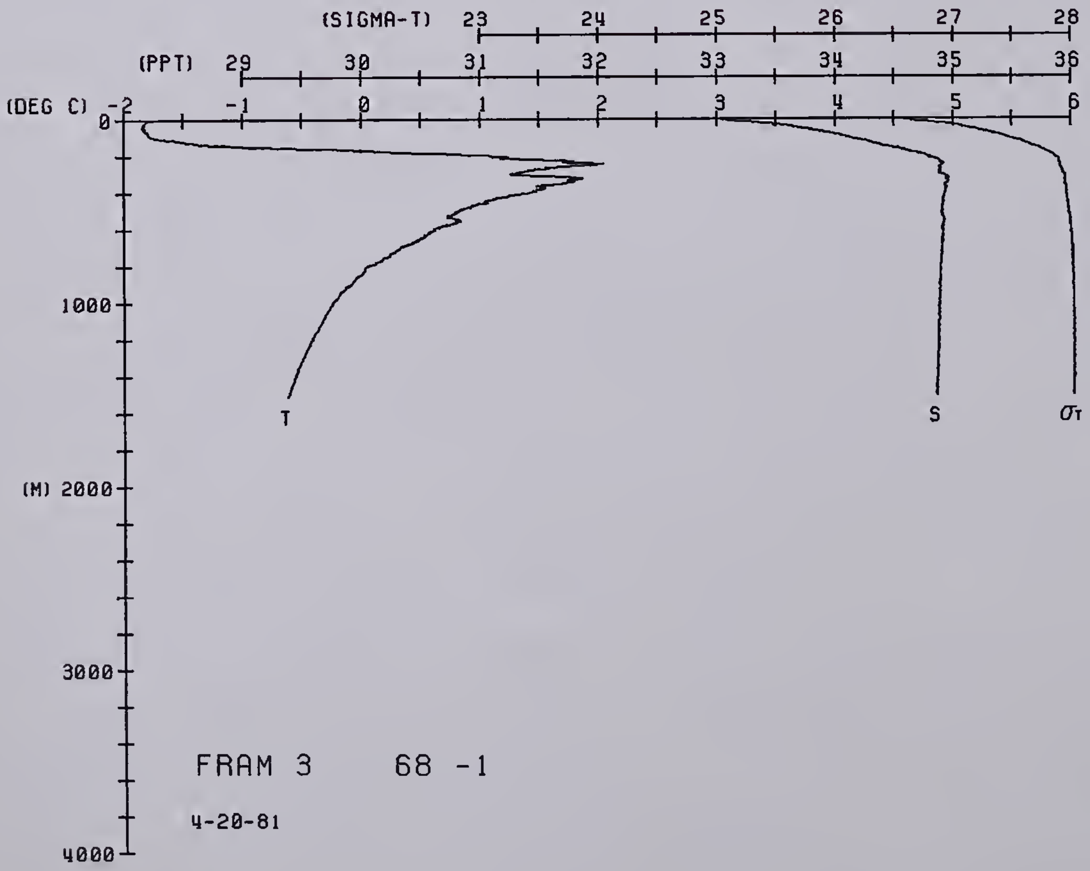
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S
σT
FRAM 3 68 -1
4-20-81

FRAM 3 STATION 69(1) CTD 20/APR/1981 1355 GMT CODE = 5
LAT = 82.7375N LNG = 6.6388E LTER = 30. LGER = 30.
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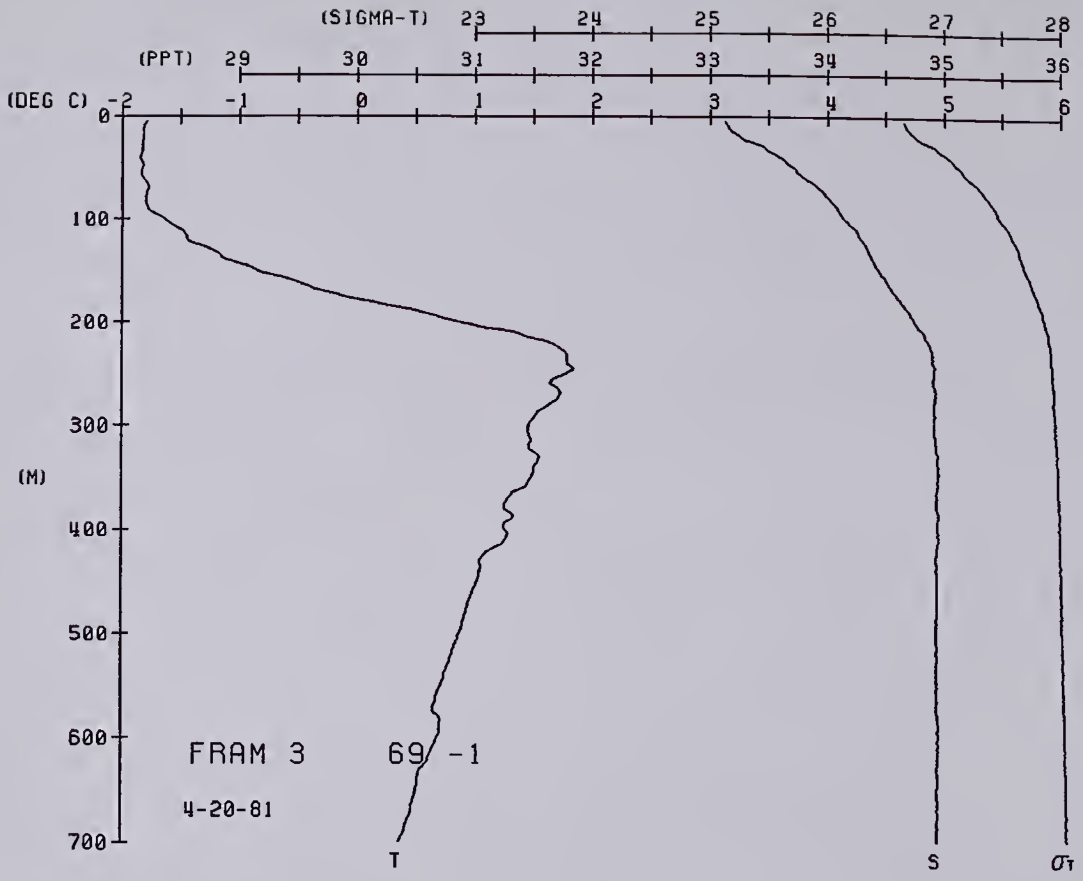
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	33.12	26.65	138.1	0.000	1438.4
4.0	-1.78	-1.78	33.12	26.65	138.1	0.006	1438.4
5.0	-1.79	-1.79	33.12	26.66	137.4	0.007	1438.4
10.0	-1.81	-1.81	33.16	26.68	134.8	0.014	1438.4
15.0	-1.82	-1.82	33.20	26.72	131.4	0.021	1438.6
20.0	-1.82	-1.82	33.26	26.77	126.8	0.027	1438.7
25.0	-1.83	-1.83	33.36	26.85	119.1	0.033	1438.9
30.0	-1.83	-1.83	33.46	26.93	110.9	0.039	1439.1
35.0	-1.83	-1.83	33.52	26.98	106.3	0.045	1439.3
40.0	-1.84	-1.84	33.61	27.05	99.7	0.050	1439.4
45.0	-1.82	-1.82	33.66	27.09	95.6	0.055	1439.7
50.0	-1.83	-1.83	33.72	27.14	91.1	0.059	1439.8
55.0	-1.84	-1.84	33.75	27.17	88.5	0.064	1439.9
60.0	-1.82	-1.82	33.81	27.22	83.8	0.068	1440.2
65.0	-1.79	-1.79	33.88	27.27	78.9	0.073	1440.5
70.0	-1.77	-1.78	33.93	27.31	74.5	0.076	1440.7
75.0	-1.78	-1.79	33.97	27.34	71.8	0.080	1440.8
80.0	-1.79	-1.80	34.02	27.38	68.2	0.084	1440.9
85.0	-1.79	-1.80	34.06	27.41	64.9	0.087	1441.0
90.0	-1.77	-1.77	34.09	27.44	62.3	0.090	1441.3
95.0	-1.71	-1.72	34.11	27.46	60.8	0.093	1441.7
100.0	-1.63	-1.63	34.15	27.49	58.1	0.096	1442.2
110.0	-1.50	-1.51	34.24	27.56	51.5	0.102	1443.1
120.0	-1.44	-1.44	34.29	27.59	47.8	0.107	1443.6
130.0	-1.23	-1.24	34.35	27.63	44.3	0.112	1444.8
140.0	-1.09	-1.10	34.39	27.66	41.3	0.116	1445.7
150.0	-0.85	-0.85	34.44	27.69	38.5	0.120	1447.1
160.0	-0.53	-0.54	34.51	27.73	35.0	0.124	1448.8
170.0	-0.29	-0.30	34.56	27.77	31.9	0.127	1450.2
180.0	0.08	0.07	34.63	27.80	28.6	0.130	1452.1
190.0	0.53	0.52	34.69	27.83	26.4	0.133	1454.4
200.0	0.87	0.86	34.75	27.85	24.2	0.135	1456.2
210.0	1.34	1.33	34.82	27.88	22.0	0.138	1458.6
220.0	1.64	1.63	34.87	27.89	21.1	0.140	1460.1
230.0	1.78	1.77	34.89	27.90	20.4	0.142	1460.9
240.0	1.78	1.77	34.90	27.91	19.8	0.144	1461.1
250.0	1.76	1.75	34.90	27.91	19.3	0.146	1461.2
260.0	1.64	1.63	34.90	27.92	18.6	0.148	1460.9
270.0	1.72	1.71	34.92	27.93	18.2	0.150	1461.4
280.0	1.63	1.61	34.90	27.92	18.6	0.152	1461.1
290.0	1.51	1.49	34.91	27.94	17.3	0.153	1460.8
300.0	1.45	1.43	34.90	27.94	17.3	0.155	1460.7
310.0	1.46	1.44	34.91	27.94	17.0	0.157	1460.9
320.0	1.45	1.43	34.92	27.95	16.2	0.159	1461.0
330.0	1.53	1.52	34.93	27.95	15.9	0.160	1461.6
340.0	1.50	1.48	34.93	27.95	15.7	0.162	1461.6
350.0	1.47	1.45	34.93	27.96	15.5	0.163	1461.6
360.0	1.41	1.39	34.92	27.96	15.4	0.165	1461.5
370.0	1.27	1.25	34.92	27.96	14.8	0.167	1461.1
380.0	1.25	1.23	34.92	27.97	14.4	0.168	1461.1
390.0	1.30	1.28	34.93	27.97	14.6	0.169	1461.5
400.0	1.25	1.23	34.93	27.97	14.1	0.171	1461.5
410.0	1.25	1.22	34.93	27.97	13.9	0.172	1461.6
420.0	1.12	1.10	34.92	27.97	14.0	0.174	1461.2
430.0	1.03	1.01	34.91	27.97	13.8	0.175	1461.0
440.0	1.03	1.01	34.92	27.98	13.5	0.177	1461.2
450.0	1.01	0.99	34.92	27.98	13.1	0.178	1461.2
460.0	0.97	0.95	34.92	27.98	13.0	0.179	1461.2
470.0	0.94	0.92	34.92	27.98	12.8	0.181	1461.2
480.0	0.92	0.89	34.91	27.98	12.8	0.182	1461.3
490.0	0.89	0.87	34.91	27.98	12.7	0.183	1461.3
500.0	0.86	0.83	34.92	27.99	12.3	0.184	1461.4
530.0	0.76	0.74	34.91	27.99	12.0	0.188	1461.4
560.0	0.67	0.64	34.91	28.00	11.3	0.192	1461.5
590.0	0.69	0.67	34.92	28.00	10.7	0.195	1462.1
620.0	0.59	0.56	34.92	28.01	10.2	0.198	1462.2
650.0	0.49	0.46	34.92	28.01	9.8	0.201	1462.2
680.0	0.41	0.38	34.92	28.01	9.4	0.204	1462.4
710.0	0.31	0.28	34.91	28.02	9.1	0.207	1462.4
740.0	0.24	0.21	34.91	28.02	8.7	0.210	1462.6
790.0	0.06	0.02	34.89	28.02	8.4	0.214	1462.6
840.0	0.02	-0.02	34.90	28.02	7.6	0.218	1463.2
890.0	-0.06	-0.10	34.90	28.02	7.4	0.222	1463.7
940.0	-0.16	-0.20	34.89	28.03	7.0	0.226	1464.1
990.0	-0.21	-0.25	34.89	28.03	6.9	0.229	1464.7
1040.0	-0.28	-0.32	34.88	28.03	6.6	0.233	1465.2
1090.0	-0.32	-0.37	34.89	28.03	6.0	0.236	1465.9
1140.0	-0.38	-0.43	34.88	28.03	5.7	0.239	1466.4
1190.0	-0.43	-0.48	34.88	28.03	5.6	0.242	1467.1
1240.0	-0.46	-0.52	34.88	28.03	5.5	0.244	1467.8
1290.0	-0.50	-0.55	34.87	28.03	5.4	0.247	1468.4
1340.0	-0.52	-0.58	34.87	28.03	5.2	0.250	1469.1
1390.0	-0.55	-0.61	34.87	28.03	5.0	0.252	1469.9
1440.0	-0.58	-0.64	34.87	28.03	4.8	0.255	1470.6
1490.0	-0.61	-0.67	34.87	28.03	4.5	0.257	1471.3
1540.0	-0.63	-0.70	34.86	28.03	4.6	0.260	1472.1
1577.8	-0.64	-0.72	34.87	28.03	4.3	0.261	1472.6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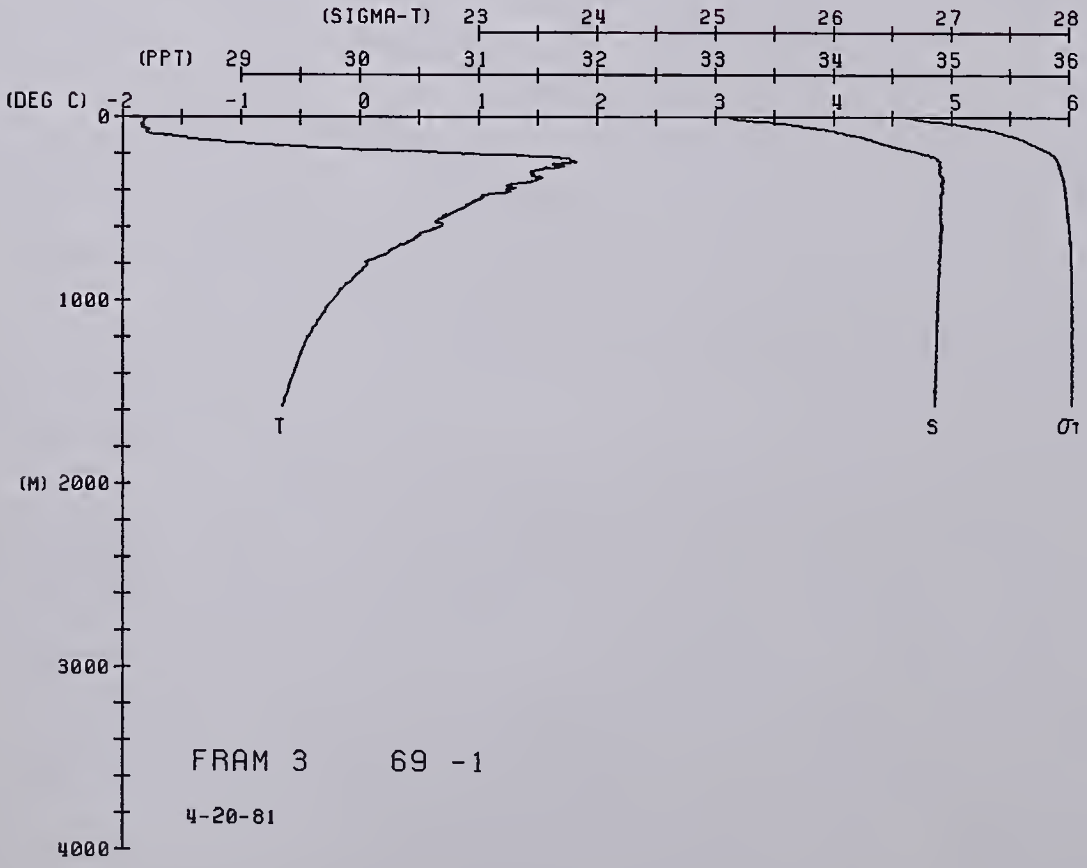
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4000
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S
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FRAM 3 69 -1
4-20-81

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 FRAM 3  STATION  70(1) CTD  20/APR/1981 1530 GMT  CODE = 5
LAT = 82.7287N LNG =   6.6262E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.80  -1.80   33.17   26.69   133.8   0.000   1438.3
   4.0  -1.80  -1.81   33.17   26.69   133.8   0.005   1438.4
   5.0  -1.81  -1.81   33.17   26.70   133.6   0.007   1438.4
  10.0  -1.82  -1.82   33.19   26.71   132.0   0.013   1438.5
  15.0  -1.82  -1.82   33.25   26.76   127.4   0.020   1438.6
  20.0  -1.83  -1.83   33.37   26.86   118.1   0.026   1438.8
  25.0  -1.84  -1.84   33.45   26.92   112.2   0.032   1439.0
  30.0  -1.84  -1.84   33.51   26.97   107.1   0.038   1439.1
  35.0  -1.84  -1.84   33.56   27.01   103.1   0.043   1439.3
  40.0  -1.84  -1.84   33.65   27.08    96.5   0.048   1439.5
  45.0  -1.84  -1.84   33.70   27.13    92.2   0.053   1439.7
  50.0  -1.84  -1.84   33.73   27.15    90.1   0.057   1439.8
  55.0  -1.83  -1.83   33.76   27.17    87.9   0.062   1439.9
  60.0  -1.81  -1.81   33.80   27.21    84.6   0.066   1440.2
  65.0  -1.80  -1.81   33.86   27.26    80.1   0.070   1440.4
  70.0  -1.78  -1.78   33.90   27.29    77.1   0.074   1440.6
  75.0  -1.76  -1.77   33.96   27.33    72.6   0.078   1440.9
  80.0  -1.76  -1.77   34.00   27.37    69.2   0.082   1441.0
  85.0  -1.78  -1.78   34.05   27.40    65.9   0.085   1441.1
  90.0  -1.77  -1.77   34.10   27.45    61.9   0.088   1441.3
  95.0  -1.70  -1.70   34.13   27.47    59.9   0.091   1441.7
 100.0  -1.63  -1.63   34.16   27.49    57.6   0.094   1442.2
 110.0  -1.56  -1.56   34.21   27.53    53.6   0.100   1442.8
 120.0  -1.43  -1.43   34.29   27.59    48.1   0.105   1443.7
 130.0  -1.33  -1.33   34.34   27.63    44.5   0.110   1444.4
 140.0  -1.14  -1.15   34.39   27.66    41.2   0.114   1445.5
 150.0  -0.69  -0.70   34.47   27.71    36.8   0.118   1447.9
 160.0  -0.48  -0.48   34.52   27.75    33.8   0.122   1449.1
 170.0   0.00  -0.01   34.61   27.79    29.8   0.125   1451.6
 180.0   0.34   0.33   34.67   27.82    27.3   0.128   1453.3
 190.0   0.64   0.63   34.72   27.84    25.5   0.130   1455.0
 200.0   1.00   0.99   34.78   27.87    22.9   0.133   1456.8
 210.0   1.38   1.37   34.83   27.88    22.1   0.135   1458.8
 220.0   1.60   1.59   34.87   27.90    20.8   0.137   1459.9
 230.0   1.66   1.65   34.88   27.90    20.1   0.139   1460.4
 240.0   1.67   1.66   34.88   27.90    20.1   0.141   1460.6
 250.0   1.75   1.74   34.91   27.92    19.1   0.143   1461.2
 260.0   1.72   1.71   34.91   27.92    18.8   0.145   1461.2
 270.0   1.78   1.76   34.92   27.92    18.7   0.147   1461.6
 280.0   1.72   1.70   34.92   27.93    18.1   0.149   1461.5
 290.0   1.65   1.63   34.91   27.93    17.8   0.151   1461.4
 300.0   1.63   1.61   34.92   27.93    17.6   0.153   1461.5
 310.0   1.50   1.49   34.91   27.94    17.0   0.155   1461.1
 320.0   1.46   1.44   34.91   27.94    16.8   0.156   1461.0
 330.0   1.45   1.43   34.92   27.95    16.3   0.158   1461.2
 340.0   1.47   1.46   34.92   27.95    16.2   0.160   1461.5
 350.0   1.47   1.45   34.93   27.96    15.6   0.161   1461.6
 360.0   1.46   1.44   34.93   27.96    15.2   0.163   1461.8
 370.0   1.43   1.41   34.93   27.96    15.3   0.164   1461.8
 380.0   1.27   1.25   34.91   27.96    15.3   0.166   1461.2
 390.0   1.18   1.16   34.92   27.97    14.5   0.167   1461.0
 400.0   1.09   1.07   34.91   27.96    14.5   0.169   1460.7
 410.0   1.05   1.03   34.91   27.97    13.8   0.170   1460.7
 420.0   1.05   1.03   34.92   27.98    13.5   0.172   1460.9
 430.0   1.07   1.05   34.92   27.98    13.3   0.173   1461.2
 440.0   1.03   1.01   34.91   27.97    13.6   0.174   1461.1
 450.0   1.00   0.98   34.92   27.98    13.3   0.176   1461.2
 460.0   0.99   0.96   34.92   27.98    12.7   0.177   1461.3
 470.0   0.98   0.96   34.92   27.98    13.2   0.178   1461.4
 480.0   0.90   0.88   34.92   27.98    12.7   0.180   1461.2
 490.0   0.88   0.85   34.91   27.98    12.6   0.181   1461.3
 500.0   0.85   0.83   34.92   27.99    12.3   0.182   1461.3
 502.0   0.84   0.82   34.92   27.99    12.1   0.182   1461.3
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 FRAM 3  STATION  71(1) CTD  20/APR/1981 1532 GMT  CODE = 5
LAT = 82.7287N LNG =   6.6262E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.83  -1.83   33.06   26.61   142.2   0.000   1438.0
   4.0  -1.83  -1.83   33.06   26.61   142.2   0.006   1438.1
   5.0  -1.83  -1.83   33.09   26.62   140.3   0.007   1438.2
  10.0  -1.84  -1.84   33.21   26.72   131.0   0.014   1438.4
  15.0  -1.84  -1.84   33.33   26.82   121.7   0.020   1438.6
  20.0  -1.85  -1.85   33.44   26.91   112.8   0.026   1438.6
  25.0  -1.85  -1.85   33.52   26.98   106.4   0.032   1439.0
  30.0  -1.85  -1.85   33.57   27.02   102.4   0.037   1439.2
  35.0  -1.85  -1.85   33.63   27.07    97.8   0.042   1439.3
  40.0  -1.85  -1.85   33.71   27.13    91.8   0.047   1439.6
  45.0  -1.85  -1.85   33.77   27.18    87.3   0.052   1439.7
  50.0  -1.85  -1.85   33.79   27.20    85.4   0.056   1439.8
  55.0  -1.84  -1.84   33.83   27.23    82.9   0.060   1440.0
  60.0  -1.83  -1.83   33.88   27.27    78.9   0.064   1440.2
  65.0  -1.81  -1.81   33.92   27.31    75.2   0.068   1440.4
  70.0  -1.78  -1.78   33.96   27.34    72.3   0.072   1440.7
  75.0  -1.77  -1.77   34.01   27.38    68.7   0.075   1440.9
  80.0  -1.77  -1.78   34.06   27.42    64.7   0.079   1441.0
  85.0  -1.79  -1.79   34.11   27.46    60.8   0.082   1441.1
  90.0  -1.76  -1.76   34.16   27.49    57.4   0.085   1441.4
  95.0  -1.69  -1.69   34.18   27.51    55.6   0.088   1441.9
 100.0  -1.62  -1.63   34.21   27.53    53.5   0.091   1442.3
 110.0  -1.55  -1.56   34.27   27.58    49.3   0.096   1442.9
 120.0  -1.43  -1.43   34.35   27.64    43.5   0.100   1443.8
 130.0  -1.30  -1.31   34.39   27.67    40.9   0.105   1444.6
 140.0  -1.05  -1.05   34.43   27.69    38.5   0.109   1446.0
 150.0  -0.67  -0.67   34.52   27.75    33.1   0.112   1448.0
 160.0  -0.45  -0.46   34.57   27.78    30.3   0.116   1449.3
 170.0   0.04   0.03   34.65   27.82    27.2   0.118   1451.8
 180.0   0.37   0.36   34.72   27.86    23.8   0.121   1453.6
 190.0   0.66   0.66   34.75   27.86    23.2   0.123   1455.1
 200.0   1.05   1.04   34.82   27.90    20.5   0.126   1457.1
 210.0   1.38   1.37   34.90   27.94    16.8   0.128   1458.9
 220.0   1.60   1.59   34.94   27.95    15.3   0.129   1460.0
 230.0   1.67   1.66   34.94   27.95    16.1   0.131   1460.5
 240.0   1.67   1.66   34.97   27.98    13.4   0.132   1460.7
 250.0   1.74   1.72   34.98   27.97    13.7   0.134   1461.2
 260.0   1.71   1.70   34.98   27.98    13.2   0.135   1461.3
 270.0   1.75   1.74   35.00   27.99    12.0   0.136   1461.7
 280.0   1.69   1.68   35.01   28.00    11.3   0.137   1461.6
 290.0   1.63   1.62   34.99   27.99    12.1   0.139   1461.4
 300.0   1.61   1.59   35.01   28.01    10.2   0.140   1461.5
 310.0   1.49   1.47   35.00   28.01    10.2   0.141   1461.1
 320.0   1.43   1.42   35.00   28.01     9.8   0.142   1461.1
 330.0   1.43   1.42   34.99   28.01    10.4   0.143   1461.2
 340.0   1.46   1.44   35.01   28.02     9.6   0.144   1461.5
 350.0   1.46   1.44   35.00   28.01    10.5   0.145   1461.6
 360.0   1.45   1.43   35.00   28.01    10.1   0.146   1461.8
 370.0   1.41   1.39   35.01   28.03     8.7   0.147   1461.8
 380.0   1.25   1.23   35.02   28.04     7.4   0.148   1461.3
 390.0   1.16   1.14   35.00   28.04     7.9   0.148   1461.0
 400.0   1.07   1.05   34.99   28.03     8.2   0.149   1460.7
 410.0   1.04   1.02   34.99   28.03     8.2   0.150   1460.8
 420.0   1.05   1.03   34.99   28.03     8.0   0.151   1461.0
 430.0   1.07   1.04   34.98   28.03     8.6   0.152   1461.2
 440.0   1.01   0.99   34.99   28.04     7.8   0.153   1461.2
 450.0   0.99   0.96   35.00   28.05     6.9   0.153   1461.2
 460.0   0.99   0.96   34.99   28.04     7.3   0.154   1461.4
 470.0   0.96   0.93   35.00   28.05     6.7   0.155   1461.4
 480.0   0.89   0.87   34.99   28.05     6.7   0.155   1461.3
 490.0   0.86   0.83   34.99   28.05     6.4   0.156   1461.3
 500.0   0.83   0.81   34.99   28.05     6.5   0.157   1461.4
 503.0   0.84   0.82   34.98   28.04     7.4   0.157   1461.4
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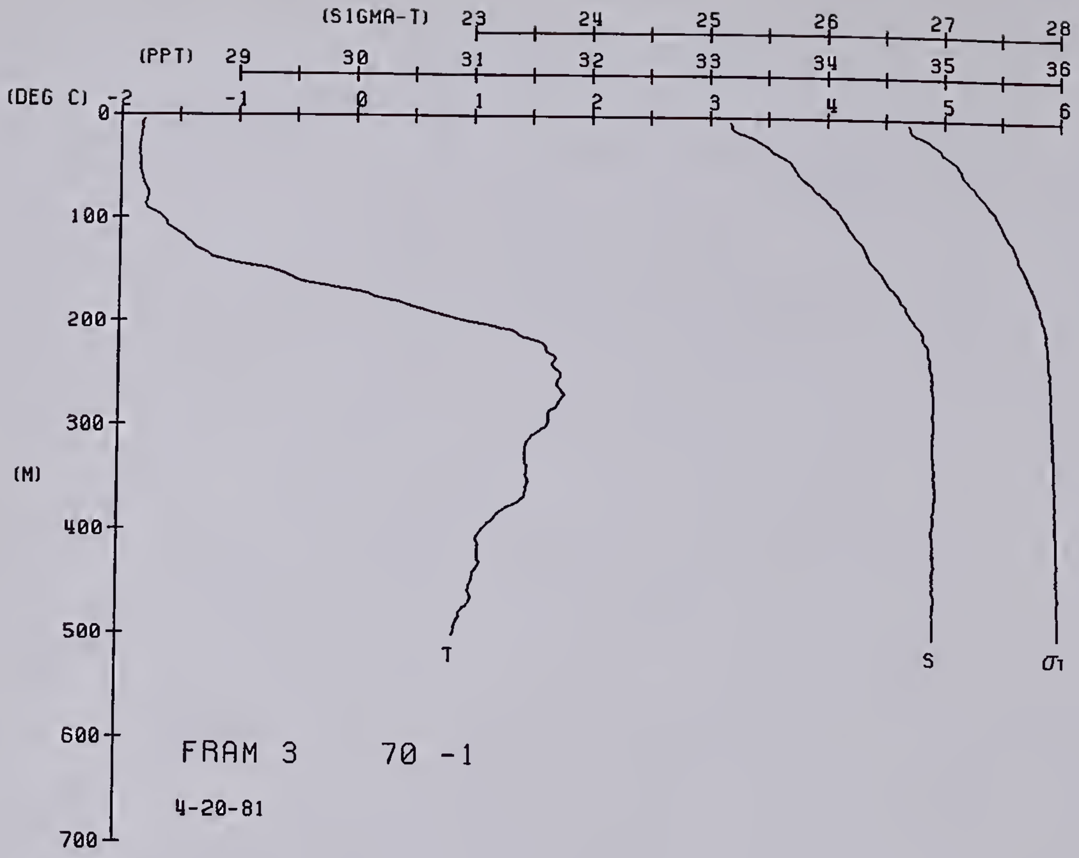

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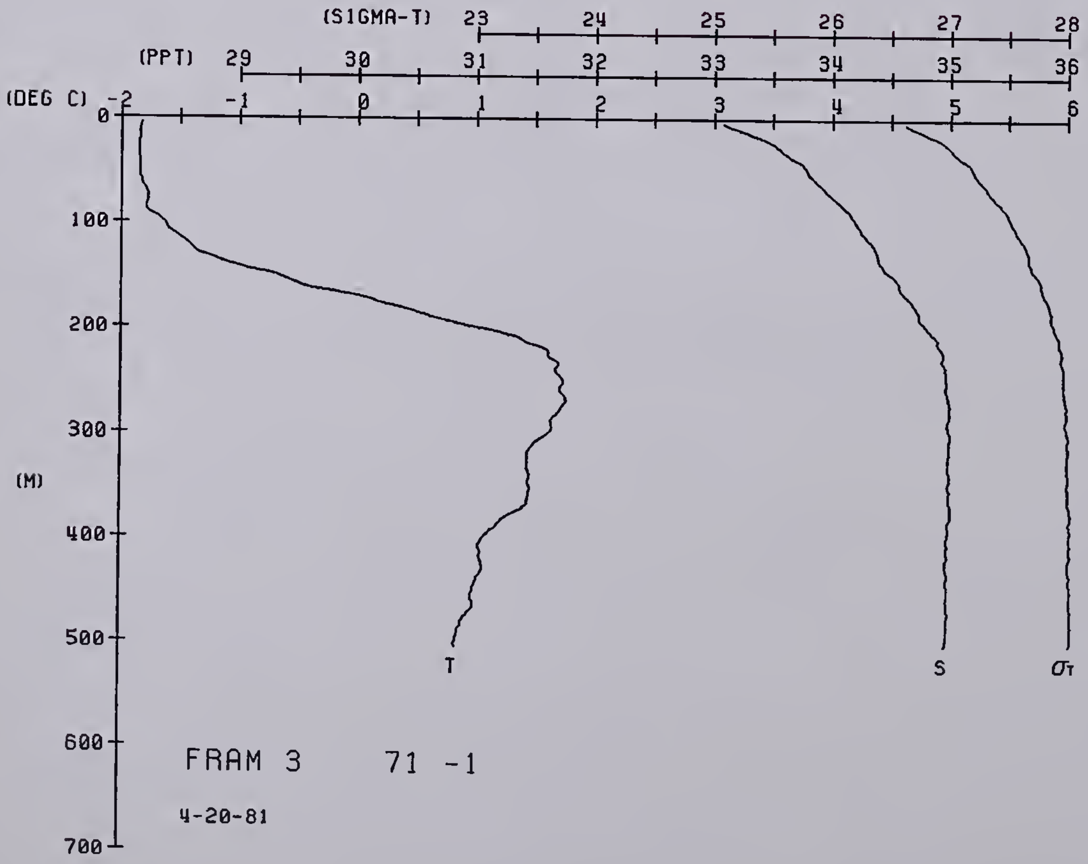

FRAM 3 71 -1

4-20-81

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LAT = 82.7073N LNG =   6.6053E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.78   -1.78   33.20   26.72   131.4   0.000  1438.5
   4.0   -1.78   -1.78   33.20   26.72   131.4   0.005  1438.6
   5.0   -1.79   -1.79   33.21   26.73   130.5   0.007  1438.5
  10.0   -1.82   -1.82   33.25   26.76   127.5   0.013  1438.5
  15.0   -1.82   -1.82   33.25   26.76   127.4   0.020  1438.6
  20.0   -1.83   -1.83   33.28   26.78   125.5   0.026  1438.7
  25.0   -1.83   -1.83   33.38   26.86   117.8   0.032  1438.9
  30.0   -1.84   -1.84   33.50   26.96   108.2   0.038  1439.1
  35.0   -1.84   -1.84   33.59   27.04   101.1   0.043  1439.3
  40.0   -1.85   -1.85   33.67   27.10    95.3   0.048  1439.5
  45.0   -1.85   -1.85   33.74   27.15    89.8   0.053  1439.7
  50.0   -1.85   -1.85   33.76   27.17    87.9   0.057  1439.8
  55.0   -1.85   -1.85   33.78   27.19    86.0   0.062  1439.9
  60.0   -1.83   -1.83   33.81   27.22    83.8   0.066  1440.1
  65.0   -1.80   -1.80   33.87   27.26    79.8   0.070  1440.4
  70.0   -1.78   -1.78   33.92   27.30    75.5   0.074  1440.7
  75.0   -1.76   -1.76   33.97   27.35    71.5   0.078  1440.9
  80.0   -1.74   -1.74   34.02   27.38    68.1   0.081  1441.1
  85.0   -1.73   -1.73   34.07   27.42    64.4   0.085  1441.4
  90.0   -1.69   -1.69   34.09   27.44    62.3   0.088  1441.7
  95.0   -1.65   -1.66   34.12   27.46    60.2   0.091  1442.0
 100.0   -1.59   -1.59   34.17   27.50    56.9   0.094  1442.4
 110.0   -1.48   -1.48   34.26   27.57    49.8   0.099  1443.2
 120.0   -1.40   -1.40   34.31   27.61    46.2   0.104  1443.8
 130.0   -1.27   -1.27   34.36   27.64    43.1   0.109  1444.7
 140.0   -0.99   -0.99   34.42   27.68    39.6   0.113  1446.2
 150.0   -0.54   -0.55   34.50   27.73    35.4   0.117  1448.6
 160.0   -0.24   -0.24   34.56   27.77    32.1   0.120  1450.3
 170.0    0.02    0.01   34.61   27.79    30.1   0.123  1451.6
 180.0    0.20    0.19   34.64   27.81    28.2   0.126  1452.7
 190.0    0.62    0.61   34.71   27.84    25.5   0.129  1454.9
 200.0    0.87    0.86   34.75   27.85    24.5   0.131  1456.2
 210.0    1.19    1.18   34.80   27.87    23.1   0.134  1457.9
 220.0    1.55    1.54   34.86   27.89    21.1   0.136  1459.7
 230.0    1.59    1.58   34.86   27.89    21.2   0.138  1460.1
 240.0    1.71    1.69   34.89   27.90    20.2   0.140  1460.8
 250.0    1.79    1.78   34.91   27.92    19.0   0.142  1461.4
 260.0    1.78    1.77   34.91   27.92    19.0   0.144  1461.5
 270.0    1.76    1.75   34.92   27.92    18.5   0.146  1461.6
 280.0    1.73    1.72   34.92   27.93    18.3   0.148  1461.6
 290.0    1.73    1.71   34.92   27.93    18.0   0.150  1461.7
 300.0    1.68    1.66   34.92   27.93    17.9   0.152  1461.7
 310.0    1.56    1.54   34.91   27.93    17.4   0.153  1461.3
 320.0    1.50    1.48   34.91   27.94    16.9   0.155  1461.2
 330.0    1.49    1.47   34.92   27.94    16.7   0.157  1461.4
 340.0    1.51    1.49   34.93   27.95    16.1   0.158  1461.6
 350.0    1.47    1.46   34.92   27.95    16.0   0.160  1461.6
 360.0    1.44    1.42   34.93   27.96    15.5   0.162  1461.6
 370.0    1.40    1.39   34.93   27.96    15.1   0.163  1461.7
 380.0    1.36    1.34   34.93   27.96    15.1   0.165  1461.6
 390.0    1.29    1.27   34.92   27.96    14.8   0.166  1461.5
 400.0    1.20    1.18   34.92   27.96    14.7   0.168  1461.3
 410.0    1.10    1.08   34.91   27.97    14.4   0.169  1460.9
 420.0    1.05    1.02   34.91   27.97    14.4   0.171  1460.9
 430.0    1.09    1.06   34.92   27.97    13.9   0.172  1461.2
 440.0    1.03    1.01   34.91   27.97    13.9   0.174  1461.1
 450.0    1.00    0.98   34.91   27.98    13.4   0.175  1461.2
 460.0    1.00    0.97   34.92   27.98    13.3   0.176  1461.3
 470.0    0.97    0.95   34.91   27.98    13.3   0.178  1461.4
 480.0    0.95    0.93   34.92   27.98    12.8   0.179  1461.5
 490.0    0.94    0.92   34.92   27.98    12.6   0.180  1461.6
 500.0    0.91    0.89   34.91   27.98    12.9   0.182  1461.6
 530.0    0.81    0.78   34.91   27.99    12.3   0.185  1461.6
 560.0    0.75    0.72   34.91   27.99    12.2   0.189  1461.8
 590.0    0.63    0.60   34.91   28.00    10.9   0.193  1461.8
 620.0    0.62    0.59   34.92   28.01    10.4   0.196  1462.3
 650.0    0.52    0.49   34.92   28.01     9.9   0.199  1462.4
 680.0    0.41    0.38   34.91   28.01     9.7   0.202  1462.4

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0    0.35    0.32   34.91   28.01     9.3   0.205  1462.6
 740.0    0.25    0.22   34.91   28.02     6.6   0.207  1462.6
 790.0    0.17    0.13   34.91   28.02     8.3   0.212  1463.1
 840.0   -0.01   -0.04   34.90   28.03     7.5   0.216  1463.1
 890.0   -0.05   -0.09   34.90   28.03     7.4   0.220  1463.7
 940.0   -0.12   -0.16   34.89   28.02     7.3   0.223  1464.3
 990.0   -0.17   -0.22   34.89   28.03     6.6   0.227  1464.9
1040.0   -0.24   -0.29   34.89   28.03     6.7   0.230  1465.4
1090.0   -0.31   -0.36   34.88   28.03     6.3   0.233  1465.9
1140.0   -0.36   -0.41   34.88   28.03     5.9   0.237  1466.5
1190.0   -0.39   -0.44   34.88   28.03     6.0   0.240  1467.2
1240.0   -0.44   -0.50   34.88   28.03     5.5   0.242  1467.9
1290.0   -0.49   -0.54   34.88   28.03     5.1   0.245  1468.5
1340.0   -0.52   -0.58   34.87   28.03     5.2   0.248  1469.2
1390.0   -0.56   -0.62   34.87   28.03     4.9   0.250  1469.9
1440.0   -0.59   -0.65   34.87   28.03     4.6   0.253  1470.5
1490.0   -0.62   -0.69   34.87   28.03     4.4   0.255  1471.3
1540.0   -0.64   -0.71   34.87   28.03     4.2   0.257  1472.0
1590.0   -0.66   -0.73   34.87   28.03     4.1   0.259  1472.8
1640.0   -0.69   -0.76   34.86   28.03     4.0   0.261  1473.5
1690.0   -0.71   -0.79   34.86   28.03     3.8   0.263  1474.2
1740.0   -0.73   -0.81   34.86   28.03     3.3   0.265  1475.0
1790.0   -0.75   -0.83   34.87   28.04     2.7   0.267  1475.8
1840.0   -0.76   -0.85   34.88   28.05     1.4   0.268  1476.6
1890.0   -0.76   -0.86   34.90   28.06     0.1   0.268  1477.5
1940.0   -0.78   -0.87   34.90   28.06     0.1   0.268  1478.3
1990.0   -0.79   -0.88   34.90   28.06    -0.4   0.268  1479.1
2040.0   -0.80   -0.89   34.91   28.07    -1.0   0.268  1479.9
2090.0   -0.80   -0.90   34.91   28.07    -1.2   0.267  1480.7
2140.0   -0.81   -0.91   34.91   28.07    -1.5   0.266  1481.6
2190.0   -0.81   -0.92   34.92   28.08    -2.2   0.265  1482.4
2240.0   -0.81   -0.93   34.91   28.07    -2.0   0.264  1483.3
2290.0   -0.82   -0.94   34.92   28.08    -3.0   0.263  1484.1
2340.0   -0.82   -0.94   34.92   28.08    -3.3   0.262  1485.0
2390.0   -0.82   -0.94   34.92   28.08    -3.2   0.260  1485.9
2440.0   -0.82   -0.95   34.93   28.09    -3.5   0.258  1486.7
2490.0   -0.82   -0.95   34.93   28.09    -3.8   0.256  1487.6
2540.0   -0.82   -0.96   34.93   28.09    -4.4   0.254  1488.5
2590.0   -0.82   -0.96   34.93   28.09    -4.5   0.252  1489.3
2640.0   -0.81   -0.96   34.94   28.09    -4.6   0.250  1490.2
2690.0   -0.81   -0.96   34.94   28.09    -4.7   0.247  1491.1
2740.0   -0.81   -0.96   34.94   28.10    -5.1   0.245  1492.0
2790.0   -0.81   -0.96   34.94   28.10    -5.0   0.242  1492.9
2840.0   -0.80   -0.96   34.94   28.10    -5.2   0.240  1493.8
2890.0   -0.80   -0.96   34.94   28.10    -5.2   0.237  1494.7
2940.0   -0.79   -0.96   34.94   28.10    -5.3   0.234  1495.6
2990.0   -0.79   -0.96   34.94   28.10    -5.5   0.231  1496.5
3040.0   -0.78   -0.96   34.94   28.10    -5.5   0.229  1497.4
3090.0   -0.78   -0.96   34.95   28.10    -5.8   0.226  1498.3
3140.0   -0.77   -0.96   34.95   28.10    -5.9   0.223  1499.2
3190.0   -0.77   -0.96   34.95   28.10    -6.1   0.220  1500.1
3240.0   -0.76   -0.96   34.95   28.10    -6.3   0.216  1501.0
3290.0   -0.76   -0.96   34.95   28.11    -6.5   0.213  1501.9
3340.0   -0.75   -0.96   34.96   28.11    -6.7   0.210  1502.8
3390.0   -0.75   -0.96   34.96   28.11    -6.8   0.206  1503.7
3440.0   -0.75   -0.96   34.96   28.11    -7.0   0.203  1504.6
3490.0   -0.74   -0.96   34.96   28.11    -7.2   0.199  1505.5
3540.0   -0.74   -0.96   34.96   28.11    -7.4   0.195  1506.4
3590.0   -0.73   -0.96   34.97   28.11    -7.4   0.192  1507.4
3640.0   -0.73   -0.96   34.96   28.11    -7.4   0.188  1508.3
3648.1   -0.72   -0.95   34.96   28.11    -7.0   0.187  1508.4
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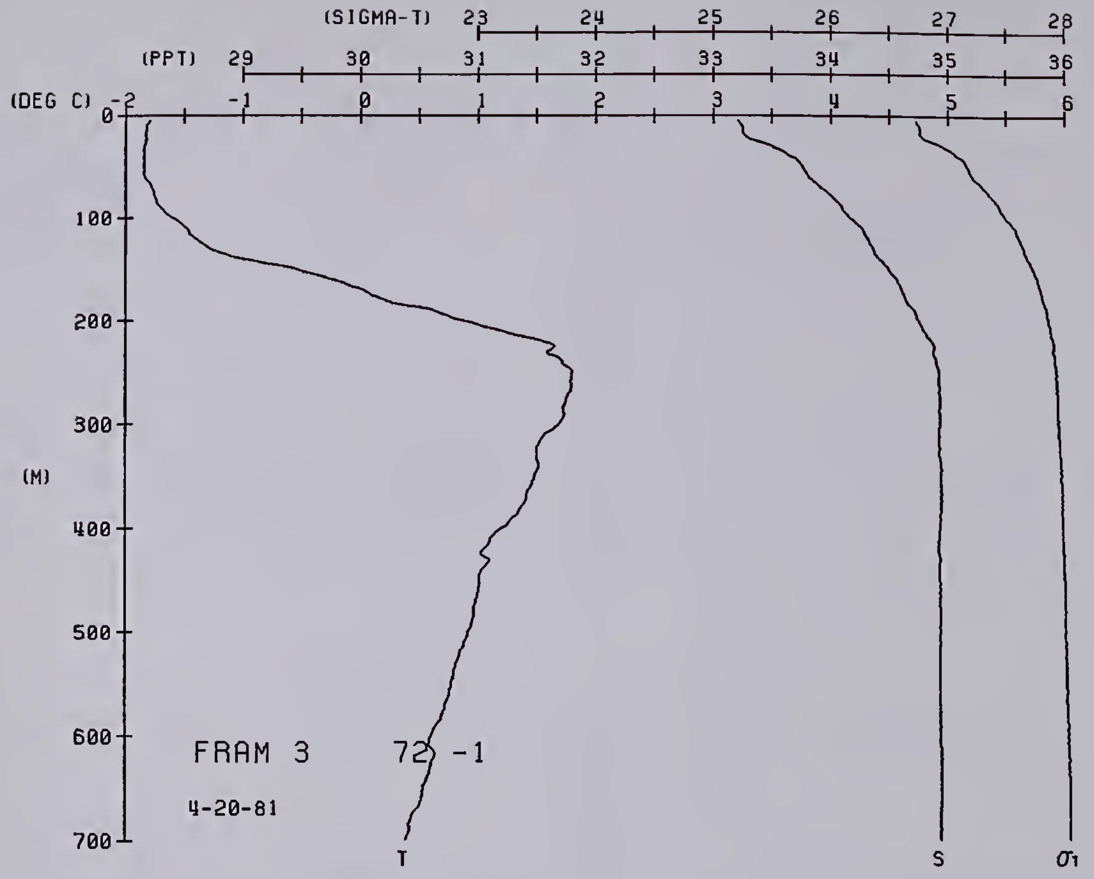
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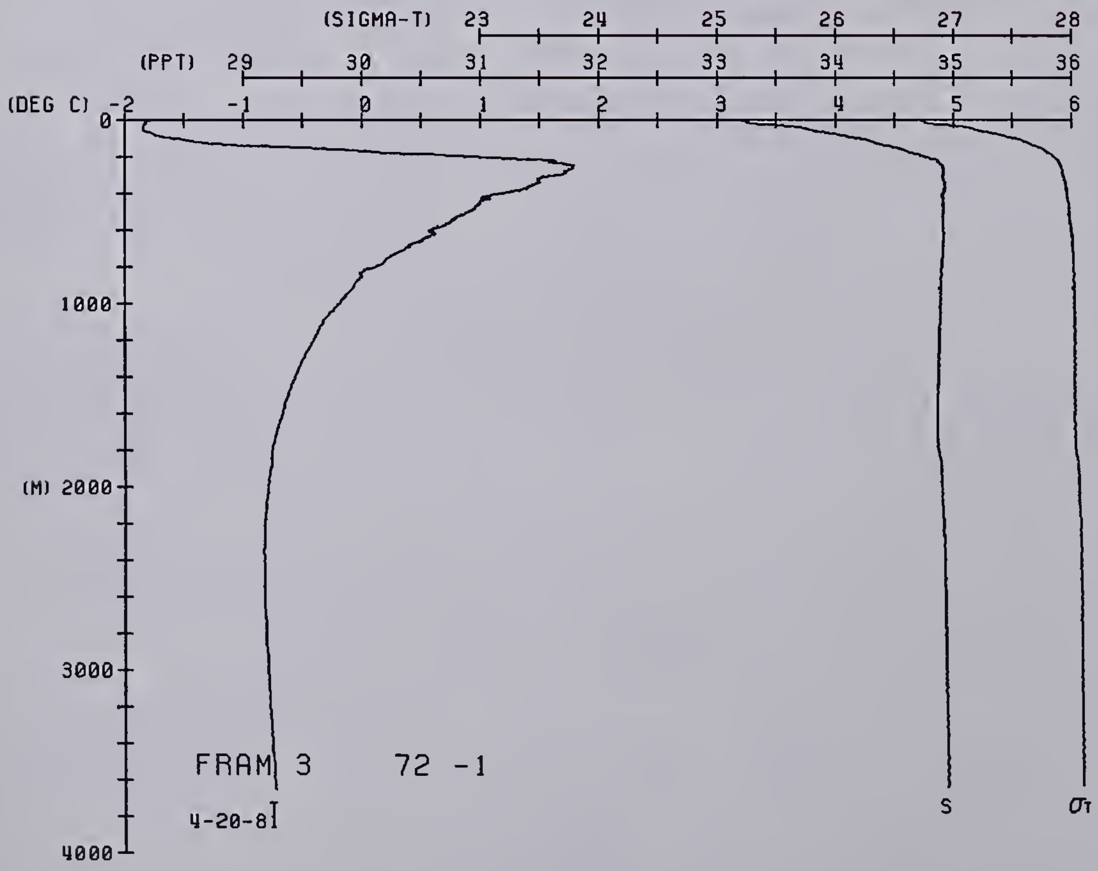
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DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND           DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -1.80   -1.80   33.53   26.98   106.3   0.000  1438.8           710.0   0.45    0.42   34.91   28.01    10.1   0.198  1463.0
  4.0  -1.80   -1.81   33.53   26.98   106.2   0.004  1438.9           740.0   0.39    0.36   34.91   28.01     9.7   0.201  1463.3
  5.0  -1.81   -1.81   33.53   26.99   106.1   0.005  1438.9           790.0   0.27    0.23   34.90   28.01     9.4   0.206  1463.5
 10.0  -1.83   -1.83   33.58   27.02   102.5   0.011  1438.9           840.0   0.14    0.10   34.90   28.02     8.5   0.210  1463.8
 15.0  -1.83   -1.83   33.61   27.05    99.5   0.016  1439.1           890.0   0.03   -0.01   34.90   28.02     8.0   0.214  1464.1
 20.0  -1.84   -1.84   33.63   27.07    98.1   0.021  1439.1           940.0  -0.06   -0.10   34.89   28.02     7.7   0.218  1464.6
 25.0  -1.84   -1.84   33.65   27.09    96.4   0.026  1439.3           990.0  -0.14   -0.18   34.89   28.02     7.3   0.222  1465.0
 30.0  -1.84   -1.84   33.68   27.11    94.5   0.031  1439.4          1040.0  -0.21   -0.26   34.89   28.03     6.8   0.226  1465.5
 35.0  -1.85   -1.85   33.74   27.16    89.5   0.035  1439.5          1090.0  -0.28   -0.33   34.88   28.03     6.6   0.229  1466.0
 40.0  -1.85   -1.85   33.75   27.17    88.6   0.040  1439.6          1140.0  -0.35   -0.40   34.88   28.03     6.0   0.232  1466.6
 45.0  -1.85   -1.85   33.76   27.17    88.2   0.044  1439.7          1190.0  -0.40   -0.45   34.88   28.03     5.8   0.235  1467.2
 50.0  -1.84   -1.84   33.82   27.22    83.6   0.048  1439.9          1240.0  -0.45   -0.50   34.88   28.03     5.4   0.238  1467.8
 55.0  -1.84   -1.84   33.86   27.26    80.2   0.053  1440.0          1290.0  -0.49   -0.55   34.87   28.03     5.4   0.241  1468.5
 60.0  -1.82   -1.82   33.89   27.28    77.7   0.057  1440.3          1340.0  -0.52   -0.58   34.87   28.03     5.0   0.244  1469.1
 65.0  -1.81   -1.81   33.92   27.30    76.0   0.060  1440.4          1390.0  -0.56   -0.62   34.87   28.03     5.3   0.246  1469.8
 70.0  -1.79   -1.79   33.94   27.32    73.8   0.064  1440.7          1440.0  -0.60   -0.66   34.87   28.03     4.7   0.249  1470.5
 75.0  -1.76   -1.76   33.98   27.35    70.7   0.068  1440.9          1490.0  -0.62   -0.69   34.87   28.03     4.6   0.251  1471.2
 80.0  -1.74   -1.74   34.07   27.42    64.4   0.071  1441.2          1540.0  -0.64   -0.71   34.86   28.03     4.6   0.253  1472.0
 85.0  -1.73   -1.73   34.10   27.45    61.5   0.074  1441.4          1590.0  -0.68   -0.75   34.86   28.03     4.3   0.256  1472.7
 90.0  -1.73   -1.73   34.14   27.48    58.6   0.078  1441.6          1593.5  -0.68   -0.75   34.86   28.03     4.3   0.256  1472.8
 95.0  -1.58   -1.59   34.21   27.53    53.7   0.080  1442.4
100.0  -1.50   -1.50   34.26   27.57    50.5   0.083  1443.0
110.0  -1.41   -1.42   34.30   27.60    47.2   0.088  1443.6
120.0  -1.28   -1.28   34.35   27.63    44.1   0.093  1444.5
130.0  -1.11   -1.11   34.39   27.66    41.4   0.097  1445.5
140.0  -0.94   -0.95   34.42   27.68    39.8   0.101  1446.5
150.0  -0.72   -0.73   34.45   27.70    38.3   0.105  1447.7
160.0  -0.43   -0.44   34.53   27.74    33.9   0.109  1449.3
170.0  -0.19   -0.20   34.56   27.76    32.8   0.112  1450.6
180.0   0.06    0.05   34.60   27.78    30.9   0.115  1452.0
190.0   0.59    0.58   34.69   27.83    26.8   0.118  1454.7
200.0   0.81    0.80   34.75   27.85    24.2   0.121  1455.9
210.0   1.16    1.15   34.79   27.87    23.3   0.123  1457.7
220.0   1.38    1.37   34.84   27.89    21.5   0.125  1458.9
230.0   1.76    1.75   34.89   27.90    20.5   0.127  1460.9
240.0   1.89    1.87   34.90   27.90    20.5   0.130  1461.6
250.0   1.87    1.86   34.91   27.91    20.1   0.132  1461.7
260.0   1.81    1.80   34.91   27.91    19.6   0.134  1461.6
270.0   1.79    1.78   34.91   27.92    18.9   0.136  1461.7
280.0   1.80    1.79   34.92   27.92    18.6   0.137  1461.9
290.0   1.78    1.77   34.92   27.93    18.2   0.139  1462.0
300.0   1.63    1.62   34.91   27.93    18.1   0.141  1461.5
310.0   1.77    1.76   34.93   27.93    17.6   0.143  1462.3
320.0   1.71    1.69   34.93   27.93    17.6   0.145  1462.2
330.0   1.65    1.63   34.92   27.94    17.4   0.147  1462.1
340.0   1.59    1.57   34.92   27.94    17.3   0.148  1462.0
350.0   1.53    1.51   34.92   27.95    16.6   0.150  1461.9
360.0   1.55    1.53   34.93   27.95    16.3   0.152  1462.1
370.0   1.57    1.55   34.93   27.95    16.3   0.153  1462.4
380.0   1.50    1.48   34.92   27.95    16.4   0.155  1462.2
390.0   1.48    1.46   34.93   27.95    15.8   0.157  1462.3
400.0   1.42    1.40   34.93   27.96    15.5   0.158  1462.3
410.0   1.34    1.32   34.92   27.96    15.4   0.160  1462.0
420.0   1.20    1.17   34.91   27.96    15.2   0.161  1461.5
430.0   1.18    1.16   34.91   27.96    15.0   0.163  1461.6
440.0   1.16    1.14   34.91   27.97    14.6   0.164  1461.7
450.0   1.18    1.16   34.92   27.97    14.5   0.166  1462.0
460.0   1.08    1.05   34.91   27.97    14.4   0.167  1461.7
470.0   1.06    1.04   34.91   27.97    14.2   0.169  1461.8
480.0   1.05    1.03   34.91   27.97    13.9   0.170  1461.9
490.0   0.99    0.97   34.91   27.97    13.8   0.172  1461.8
500.0   1.01    0.99   34.92   27.98    13.5   0.173  1462.0
530.0   0.91    0.88   34.92   27.98    12.8   0.177  1462.1
560.0   0.79    0.76   34.91   27.99    12.3   0.181  1462.1
590.0   0.79    0.76   34.92   27.99    11.9   0.184  1462.5
620.0   0.77    0.74   34.92   28.00    11.5   0.188  1463.0
650.0   0.63    0.59   34.91   28.00    11.0   0.191  1462.8
680.0   0.56    0.52   34.91   28.00    10.6   0.195  1463.0
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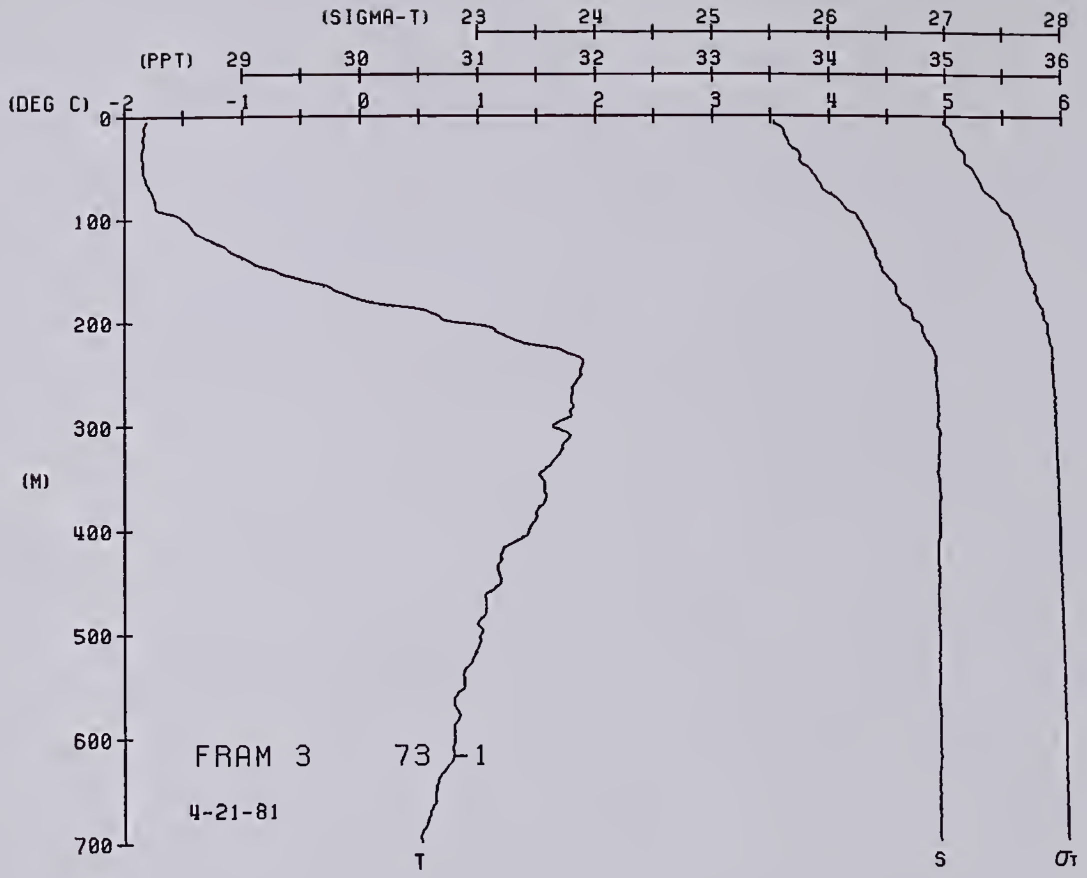
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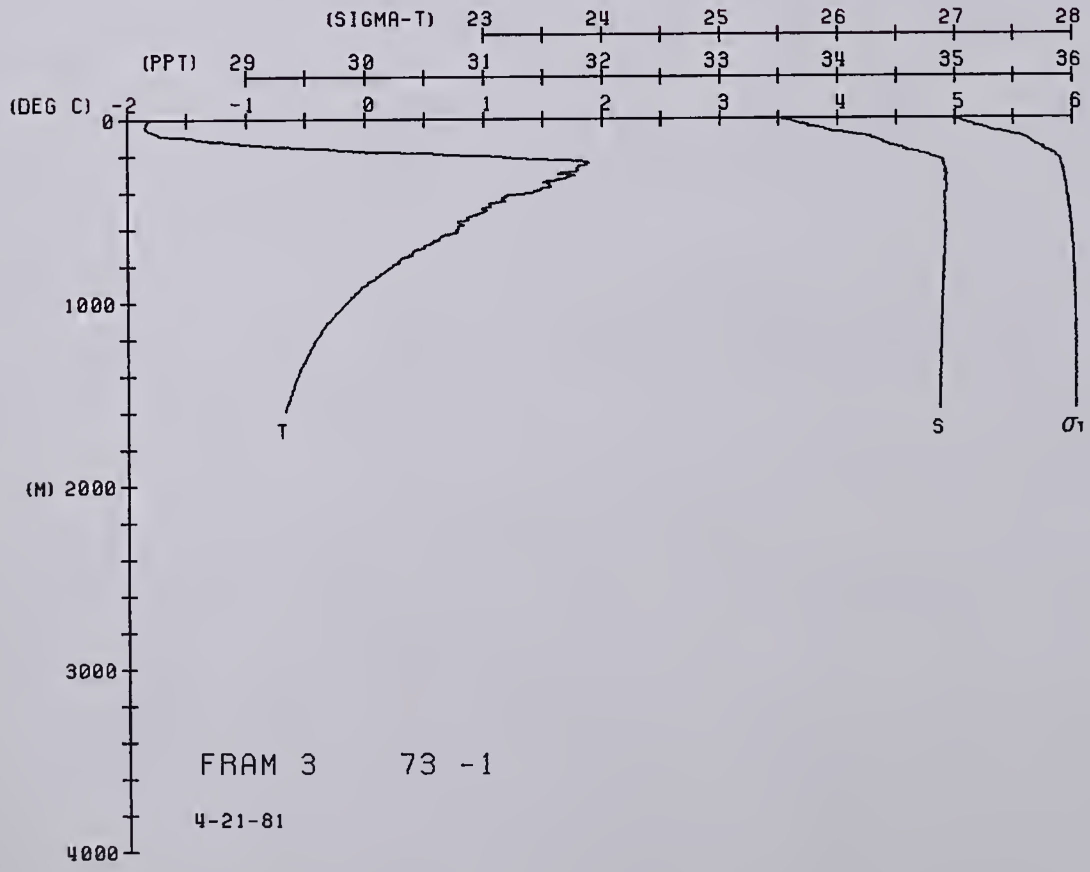
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DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

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  4.0   -1.84   -1.84   33.63   27.07    98.3   0.004   1438.9
  5.0   -1.84   -1.84   33.63   27.07    98.4   0.005   1438.9
 10.0   -1.85   -1.85   33.64   27.08    97.5   0.010   1439.0
 15.0   -1.85   -1.85   33.65   27.08    96.9   0.015   1439.0
 20.0   -1.85   -1.85   33.68   27.11    94.4   0.020   1439.2
 25.0   -1.85   -1.85   33.72   27.14    91.5   0.024   1439.3
 30.0   -1.85   -1.85   33.73   27.15    90.2   0.029   1439.4
 35.0   -1.86   -1.86   33.75   27.17    88.7   0.033   1439.5
 40.0   -1.86   -1.86   33.77   27.18    87.3   0.038   1439.6
 45.0   -1.85   -1.85   33.78   27.19    86.5   0.042   1439.7
 50.0   -1.85   -1.85   33.81   27.22    83.7   0.047   1439.9
 55.0   -1.84   -1.84   33.86   27.26    80.1   0.051   1440.1
 60.0   -1.82   -1.82   33.92   27.30    75.8   0.055   1440.3
 65.0   -1.78   -1.78   33.99   27.36    69.9   0.058   1440.7
 70.0   -1.76   -1.76   34.04   27.40    66.4   0.062   1440.9
 75.0   -1.73   -1.73   34.07   27.43    63.9   0.065   1441.2
 80.0   -1.72   -1.72   34.11   27.45    61.2   0.068   1441.4
 85.0   -1.70   -1.70   34.14   27.48    59.0   0.071   1441.6
 90.0   -1.67   -1.68   34.16   27.50    57.1   0.074   1441.8
 95.0   -1.60   -1.61   34.21   27.53    53.8   0.077   1442.3
100.0   -1.50   -1.51   34.25   27.56    51.3   0.080   1442.9
110.0   -1.46   -1.46   34.27   27.58    49.1   0.085   1443.3
120.0   -1.35   -1.35   34.33   27.63    44.8   0.090   1444.1
130.0   -1.14   -1.15   34.39   27.66    41.6   0.094   1445.3
140.0   -0.75   -0.75   34.47   27.71    36.7   0.098   1447.4
150.0   -0.37   -0.38   34.54   27.75    33.5   0.101   1449.4
160.0    0.01    0.00   34.59   27.77    31.6   0.105   1451.4
170.0    0.38    0.38   34.65   27.80    29.1   0.108   1453.4
180.0    0.67    0.66   34.70   27.83    26.7   0.111   1454.9
190.0    0.90    0.89   34.74   27.84    25.5   0.113   1456.2
200.0    1.26    1.25   34.80   27.86    23.6   0.116   1458.0
210.0    1.35    1.34   34.81   27.87    22.9   0.118   1458.6
220.0    1.49    1.48   34.84   27.89    21.7   0.120   1459.4
230.0    1.55    1.54   34.86   27.89    20.9   0.123   1459.9
240.0    1.52    1.50   34.87   27.90    20.2   0.125   1459.9
250.0    1.50    1.49   34.87   27.91    19.7   0.127   1460.0
260.0    1.57    1.56   34.89   27.91    19.2   0.129   1460.5
270.0    1.70    1.69   34.90   27.92    19.0   0.130   1461.3
280.0    1.72    1.70   34.91   27.92    18.9   0.132   1461.5
290.0    1.65    1.63   34.91   27.92    18.4   0.134   1461.4
300.0    1.87    1.86   34.94   27.93    17.9   0.136   1462.6
310.0    1.85    1.83   34.93   27.93    18.4   0.138   1462.6
320.0    1.86    1.84   34.94   27.94    17.7   0.140   1462.9
330.0    1.66    1.64   34.92   27.93    17.9   0.142   1462.1
340.0    1.57    1.55   34.92   27.94    17.2   0.143   1461.9
350.0    1.58    1.56   34.92   27.94    16.9   0.145   1462.1
360.0    1.55    1.53   34.93   27.95    16.4   0.147   1462.1
370.0    1.55    1.53   34.93   27.95    16.4   0.148   1462.3
380.0    1.52    1.50   34.93   27.95    16.3   0.150   1462.3
390.0    1.45    1.43   34.92   27.95    16.0   0.152   1462.2
400.0    1.40    1.38   34.93   27.96    15.5   0.153   1462.1
410.0    1.35    1.33   34.92   27.95    15.6   0.155   1462.1
420.0    1.26    1.23   34.92   27.96    14.9   0.156   1461.8
430.0    1.20    1.18   34.91   27.96    15.1   0.158   1461.7
440.0    1.15    1.13   34.91   27.96    15.0   0.160   1461.7
450.0    1.11    1.09   34.90   27.96    15.0   0.161   1461.7
460.0    1.04    1.01   34.90   27.96    14.7   0.163   1461.5
470.0    1.09    1.06   34.91   27.97    14.1   0.164   1461.9
480.0    1.03    1.01   34.91   27.97    14.1   0.165   1461.8
490.0    1.02    1.00   34.91   27.97    13.7   0.167   1461.9
499.0    1.00    0.97   34.91   27.98    13.6   0.168   1462.0
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 FRAM 3  STATION  75(1) CTD  21/APR/1981 1058 GMT  CODE = 5
LAT = 82.5948N LNG =    6.5420E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.83   -1.83   33.64   27.08    97.3   0.000   1438.9
  4.0   -1.83   -1.83   33.64   27.08    97.3   0.004   1439.0
  5.0   -1.83   -1.83   33.64   27.08    97.3   0.005   1439.0
 10.0   -1.83   -1.83   33.65   27.08    97.1   0.010   1439.0
 15.0   -1.83   -1.83   33.65   27.09    96.5   0.015   1439.1
 20.0   -1.83   -1.83   33.68   27.11    94.2   0.020   1439.3
 25.0   -1.83   -1.83   33.71   27.13    92.2   0.024   1439.4
 30.0   -1.84   -1.84   33.74   27.16    89.9   0.029   1439.5
 35.0   -1.84   -1.84   33.76   27.17    88.4   0.033   1439.6
 40.0   -1.84   -1.84   33.78   27.19    86.7   0.038   1439.7
 45.0   -1.84   -1.84   33.79   27.20    85.9   0.042   1439.8
 50.0   -1.83   -1.83   33.81   27.21    84.1   0.046   1440.0
 55.0   -1.82   -1.82   33.86   27.26    80.1   0.051   1440.1
 60.0   -1.80   -1.80   33.92   27.30    76.0   0.055   1440.4
 65.0   -1.77   -1.77   33.97   27.35    71.5   0.058   1440.7
 70.0   -1.74   -1.74   34.03   27.39    67.4   0.062   1441.0
 75.0   -1.72   -1.72   34.08   27.43    63.6   0.065   1441.3
 80.0   -1.71   -1.71   34.11   27.45    61.2   0.068   1441.4
 85.0   -1.68   -1.68   34.13   27.47    59.9   0.071   1441.7
 90.0   -1.65   -1.65   34.15   27.48    58.5   0.074   1441.9
 95.0   -1.57   -1.57   34.18   27.50    56.4   0.077   1442.4
100.0   -1.47   -1.48   34.22   27.54    53.2   0.080   1443.0
110.0   -1.44   -1.45   34.28   27.58    49.0   0.085   1443.4
120.0   -1.33   -1.33   34.33   27.62    45.6   0.090   1444.2
130.0   -1.09   -1.10   34.34   27.62    45.6   0.095   1445.5
140.0   -0.69   -0.70   34.42   27.67    40.9   0.099   1447.6
150.0   -0.33   -0.34   34.49   27.71    37.5   0.103   1449.5
160.0    0.05    0.04   34.54   27.73    35.7   0.107   1451.5
170.0    0.41    0.41   34.62   27.78    31.2   0.110   1453.5
180.0    0.68    0.67   34.66   27.79    29.9   0.113   1454.9
190.0    0.90    0.90   34.72   27.82    27.2   0.116   1456.2
200.0    1.27    1.26   34.78   27.85    25.1   0.119   1458.1
210.0    1.38    1.37   34.81   27.86    23.7   0.121   1458.7
220.0    1.50    1.49   34.83   27.87    22.9   0.123   1459.5
230.0    1.57    1.55   34.86   27.89    21.4   0.126   1460.0
240.0    1.52    1.51   34.88   27.91    19.6   0.128   1460.0
250.0    1.51    1.50   34.88   27.91    19.1   0.130   1460.1
260.0    1.57    1.56   34.88   27.91    19.5   0.132   1460.5
270.0    1.70    1.68   34.90   27.91    19.3   0.134   1461.3
280.0    1.72    1.71   34.92   27.93    17.8   0.135   1461.6
290.0    1.68    1.66   34.89   27.91    19.6   0.137   1461.5
300.0    1.86    1.85   34.93   27.93    18.2   0.139   1462.5
310.0    1.85    1.84   34.95   27.94    17.1   0.141   1462.7
320.0    1.87    1.85   34.95   27.94    16.9   0.143   1462.9
330.0    1.67    1.65   34.98   27.98    13.3   0.144   1462.2
340.0    1.57    1.55   34.95   27.96    14.8   0.146   1461.9
350.0    1.58    1.56   34.94   27.95    16.0   0.147   1462.1
360.0    1.56    1.54   34.94   27.96    15.5   0.149   1462.2
370.0    1.55    1.53   34.95   27.97    14.4   0.150   1462.4
380.0    1.50    1.48   34.96   27.98    13.6   0.152   1462.3
390.0    1.44    1.42   34.95   27.98    13.6   0.153   1462.2
400.0    1.40    1.38   34.94   27.97    14.0   0.155   1462.2
410.0    1.35    1.32   34.95   27.98    13.6   0.156   1462.1
420.0    1.27    1.24   34.94   27.98    13.4   0.157   1461.9
430.0    1.21    1.19   34.93   27.98    13.4   0.159   1461.8
440.0    1.16    1.14   34.93   27.98    13.1   0.160   1461.8
450.0    1.12    1.10   34.93   27.98    13.4   0.161   1461.7
460.0    1.05    1.02   34.93   27.99    12.4   0.163   1461.6
470.0    1.09    1.07   34.91   27.97    14.1   0.164   1461.9
480.0    1.04    1.02   34.93   27.99    12.6   0.165   1461.9
490.0    1.03    1.01   34.92   27.98    13.3   0.167   1462.0
500.0    1.00    0.98   34.93   27.99    12.6   0.168   1462.0
500.0    1.00    0.98   34.93   27.99    12.6   0.168   1462.0
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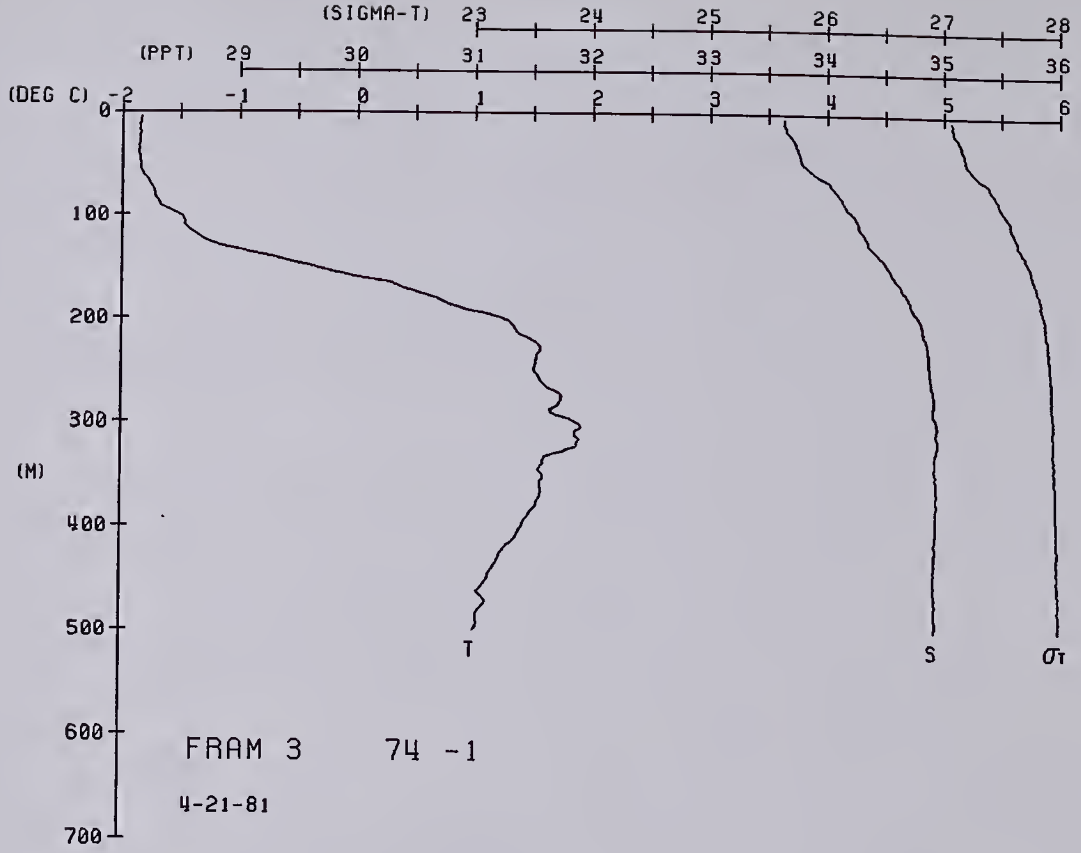
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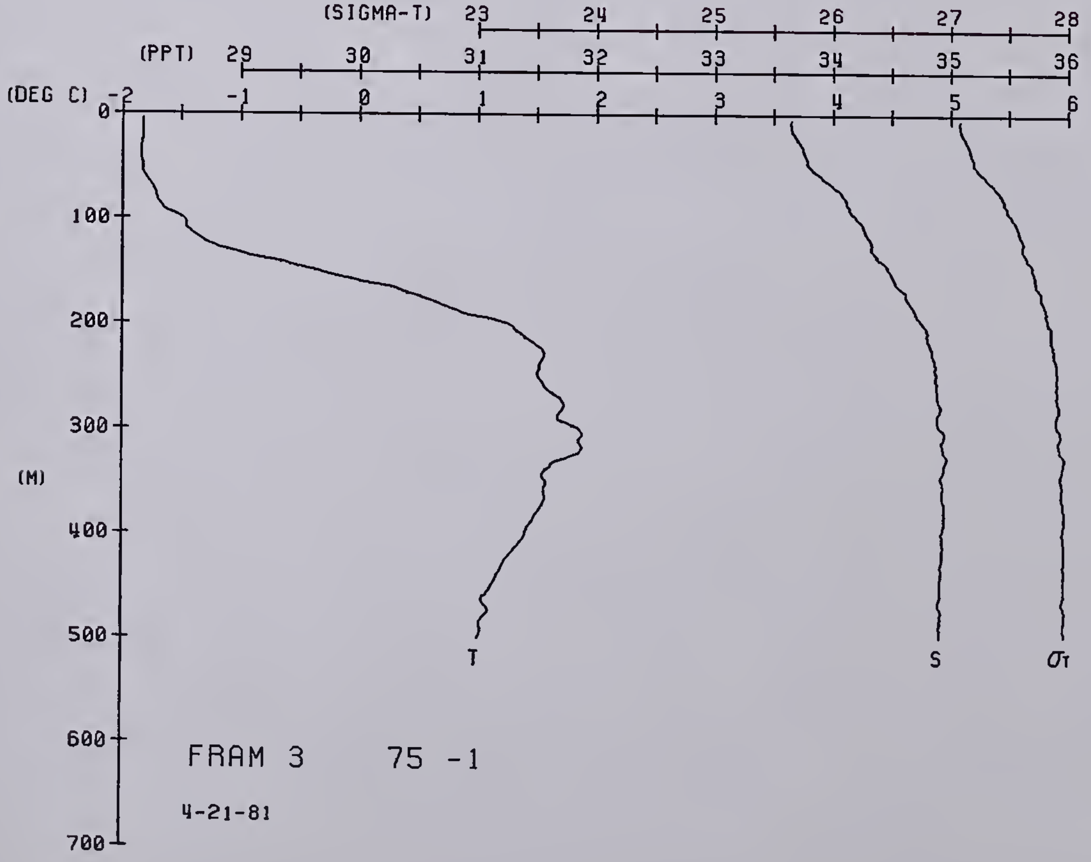
FRAM 3 74 -1
4-21-81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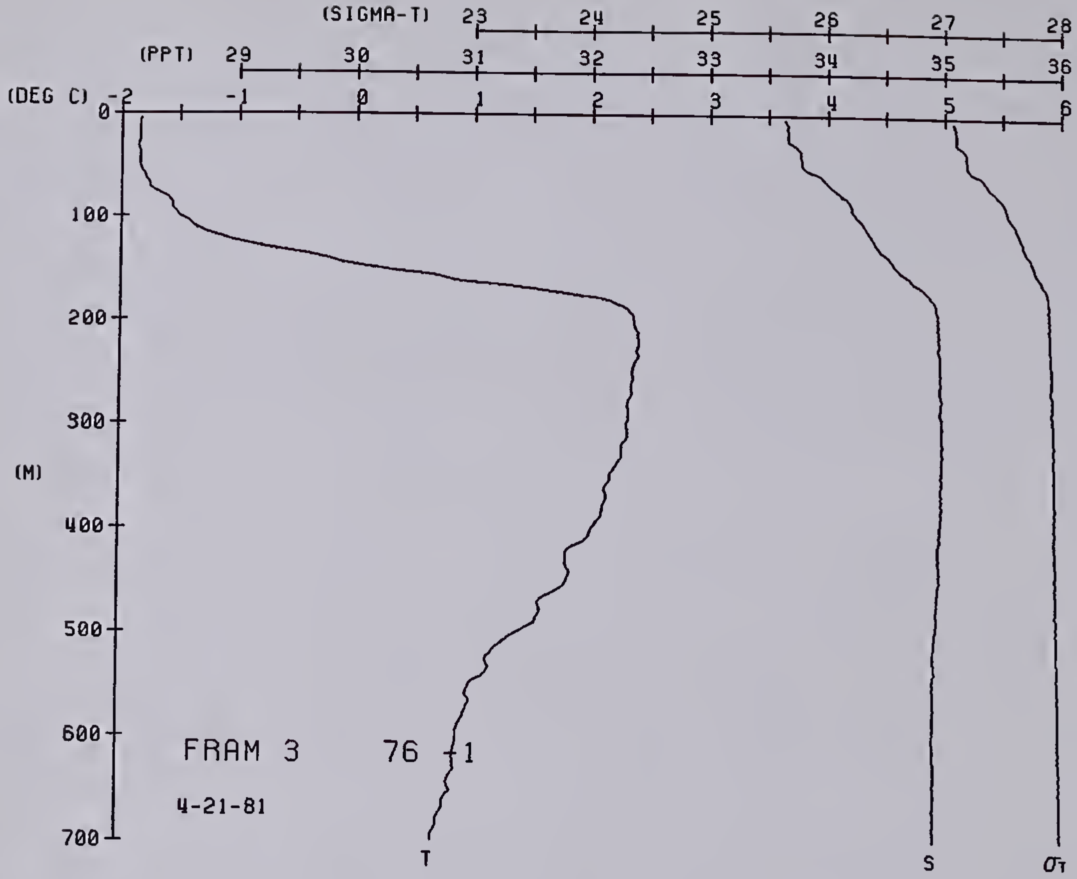
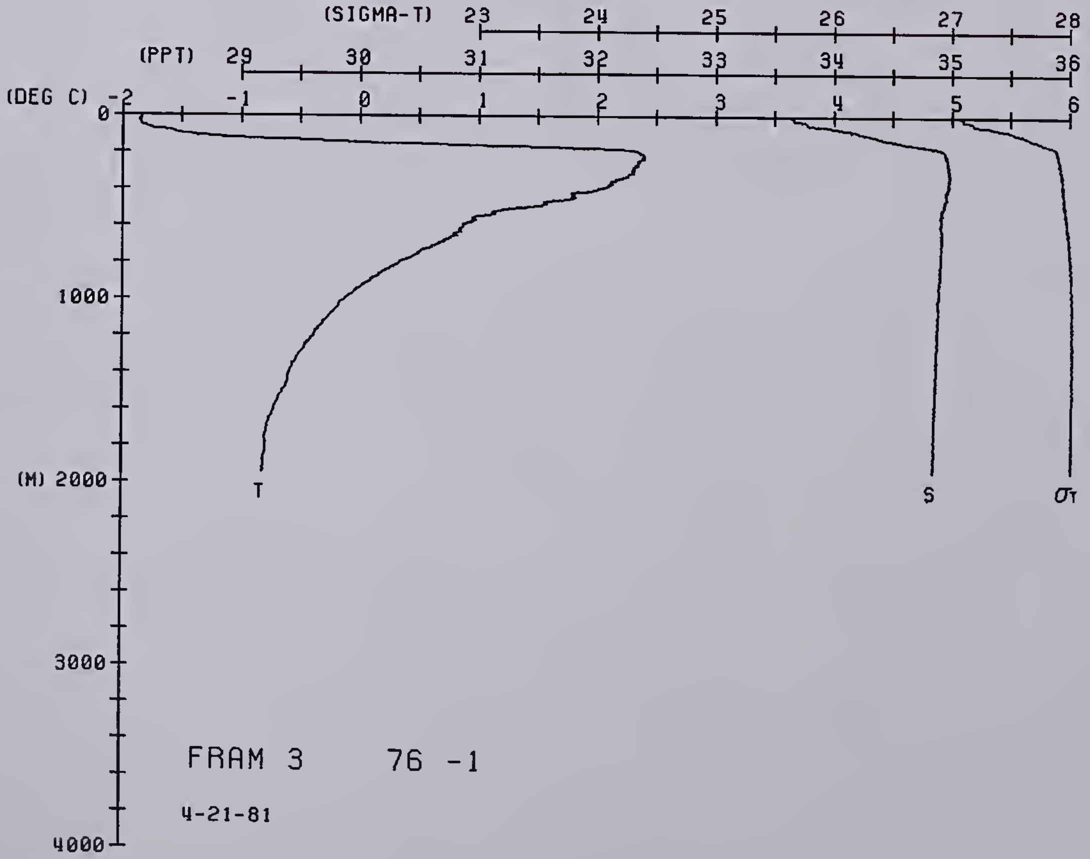
FRAM 3 75 -1
4-21-81

FRAM 3 STATION 76(1) CTD 21/APR/1981 1409 GMT CODE = 5
LAT = 82.5702N LNG = 6.5100E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	33.64	27.07	97.7	0.000	1438.8
4.0	-1.84	-1.84	33.64	27.07	97.7	0.004	1438.9
5.0	-1.84	-1.84	33.64	27.08	97.5	0.005	1438.9
10.0	-1.85	-1.85	33.66	27.09	96.0	0.010	1439.0
15.0	-1.85	-1.85	33.66	27.09	95.9	0.015	1439.1
20.0	-1.85	-1.85	33.66	27.10	95.6	0.020	1439.2
25.0	-1.85	-1.85	33.67	27.10	95.3	0.024	1439.2
30.0	-1.85	-1.85	33.73	27.15	90.5	0.029	1439.4
35.0	-1.85	-1.85	33.77	27.18	87.4	0.034	1439.5
40.0	-1.85	-1.85	33.77	27.18	87.1	0.038	1439.6
45.0	-1.85	-1.85	33.78	27.19	86.5	0.042	1439.7
50.0	-1.84	-1.84	33.80	27.20	85.2	0.047	1439.9
55.0	-1.82	-1.82	33.86	27.26	80.2	0.051	1440.1
60.0	-1.80	-1.80	33.96	27.33	72.8	0.055	1440.5
65.0	-1.77	-1.77	33.99	27.36	70.2	0.058	1440.7
70.0	-1.75	-1.76	34.04	27.40	66.5	0.062	1440.9
75.0	-1.71	-1.71	34.10	27.44	62.2	0.065	1441.3
80.0	-1.63	-1.63	34.16	27.49	57.9	0.068	1441.9
85.0	-1.57	-1.57	34.19	27.52	55.2	0.071	1442.3
90.0	-1.56	-1.56	34.21	27.53	54.2	0.074	1442.4
95.0	-1.53	-1.54	34.23	27.55	52.4	0.076	1442.7
100.0	-1.49	-1.49	34.27	27.58	49.7	0.079	1443.0
110.0	-1.36	-1.36	34.33	27.62	45.2	0.084	1443.9
120.0	-1.13	-1.13	34.39	27.66	41.6	0.088	1445.2
130.0	-0.74	-0.74	34.45	27.70	38.6	0.092	1447.3
140.0	-0.25	-0.25	34.54	27.75	33.5	0.096	1449.8
150.0	0.20	0.20	34.61	27.78	30.7	0.099	1452.2
160.0	0.80	0.79	34.72	27.83	26.0	0.102	1455.2
170.0	1.56	1.55	34.84	27.88	22.2	0.104	1458.9
180.0	2.14	2.13	34.91	27.89	21.3	0.107	1461.7
190.0	2.32	2.31	34.94	27.90	21.0	0.109	1462.7
200.0	2.36	2.35	34.94	27.90	20.9	0.111	1463.1
210.0	2.39	2.38	34.95	27.90	20.8	0.113	1463.4
220.0	2.40	2.39	34.96	27.90	20.5	0.115	1463.6
230.0	2.39	2.38	34.96	27.91	20.1	0.117	1463.7
240.0	2.37	2.36	34.96	27.91	20.0	0.119	1463.8
250.0	2.35	2.33	34.97	27.92	19.2	0.121	1463.9
260.0	2.34	2.32	34.97	27.92	19.1	0.123	1464.0
270.0	2.35	2.33	34.97	27.92	19.0	0.125	1464.2
280.0	2.30	2.29	34.98	27.93	18.6	0.127	1464.2
290.0	2.32	2.30	34.97	27.93	18.9	0.129	1464.4
300.0	2.30	2.28	34.98	27.93	18.3	0.131	1464.5
310.0	2.31	2.29	34.98	27.93	18.3	0.133	1464.7
320.0	2.26	2.24	34.98	27.94	17.9	0.134	1464.7
330.0	2.26	2.24	34.99	27.94	17.8	0.136	1464.8
340.0	2.21	2.19	34.98	27.94	17.8	0.138	1464.8
350.0	2.16	2.14	34.98	27.94	17.4	0.140	1464.7
360.0	2.11	2.09	34.97	27.94	17.5	0.142	1464.7
370.0	2.13	2.10	34.98	27.95	17.2	0.143	1464.9
380.0	2.10	2.08	34.98	27.94	17.3	0.145	1465.0
390.0	2.07	2.04	34.97	27.95	17.3	0.147	1465.0
400.0	2.00	1.98	34.97	27.95	17.2	0.149	1464.8
410.0	1.96	1.93	34.96	27.94	17.4	0.150	1464.8
420.0	1.81	1.78	34.95	27.95	17.1	0.152	1464.3
430.0	1.79	1.77	34.95	27.95	16.9	0.154	1464.4
440.0	1.82	1.79	34.96	27.95	16.4	0.155	1464.7
450.0	1.79	1.77	34.96	27.96	16.4	0.157	1464.8
460.0	1.70	1.68	34.95	27.95	16.4	0.159	1464.5
470.0	1.56	1.53	34.94	27.96	15.7	0.160	1464.0
480.0	1.57	1.54	34.94	27.95	16.3	0.162	1464.2
490.0	1.53	1.50	34.94	27.96	15.7	0.164	1464.2
500.0	1.38	1.35	34.93	27.96	15.6	0.165	1463.7
530.0	1.13	1.11	34.92	27.97	14.4	0.170	1463.1
560.0	0.95	0.93	34.91	27.98	13.5	0.174	1462.8
590.0	0.88	0.85	34.91	27.98	13.3	0.178	1463.0
620.0	0.84	0.81	34.91	27.99	12.7	0.182	1463.3
650.0	0.82	0.79	34.92	27.99	12.2	0.186	1463.7
680.0	0.71	0.68	34.92	28.00	11.5	0.189	1463.7
710.0	0.61	0.57	34.91	28.00	11.0	0.193	1463.7
740.0	0.51	0.47	34.91	28.00	10.7	0.196	1463.8
790.0	0.35	0.32	34.91	28.01	9.5	0.201	1463.9
840.0	0.22	0.18	34.90	28.01	9.2	0.206	1464.2
890.0	0.10	0.06	34.90	28.02	8.3	0.210	1464.5
940.0	-0.01	-0.06	34.89	28.02	7.8	0.215	1464.8
990.0	-0.10	-0.14	34.89	28.02	7.4	0.218	1465.2
1040.0	-0.18	-0.23	34.89	28.02	7.0	0.222	1465.7
1090.0	-0.25	-0.30	34.89	28.03	6.5	0.226	1466.2
1140.0	-0.31	-0.37	34.88	28.03	6.4	0.229	1466.7
1190.0	-0.38	-0.43	34.88	28.03	5.9	0.232	1467.3
1240.0	-0.44	-0.50	34.88	28.03	5.6	0.235	1467.8
1290.0	-0.50	-0.56	34.87	28.03	5.3	0.238	1468.4
1340.0	-0.54	-0.60	34.88	28.03	4.7	0.240	1469.1
1390.0	-0.58	-0.65	34.87	28.03	4.7	0.243	1469.7
1440.0	-0.61	-0.67	34.87	28.03	4.6	0.245	1470.5
1490.0	-0.64	-0.71	34.87	28.03	4.1	0.247	1471.2
1540.0	-0.68	-0.75	34.86	28.03	4.4	0.249	1471.8
1590.0	-0.71	-0.79	34.86	28.03	3.9	0.251	1472.5
1640.0	-0.75	-0.82	34.86	28.03	3.6	0.253	1473.2
1690.0	-0.77	-0.85	34.86	28.03	3.6	0.255	1473.9
1740.0	-0.79	-0.87	34.85	28.02	3.9	0.257	1474.7
1790.0	-0.79	-0.87	34.86	28.03	3.3	0.259	1475.6
1840.0	-0.80	-0.88	34.86	28.03	3.0	0.260	1476.4
1890.0	-0.81	-0.89	34.85	28.03	3.1	0.262	1477.2
1940.0	-0.81	-0.90	34.85	28.03	3.1	0.264	1478.0
1947.7	-0.81	-0.91	34.85	28.02	3.2	0.264	1478.1


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 76 -1
4-21-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 76 -1
4-21-81
T
S
σT

```
 FRAM 3  STATION  77(1) CTD  22/APR/1981 1431 GMT  CODE = 5
LAT = 82.3895N LNG =   6.3817E LTER =     30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

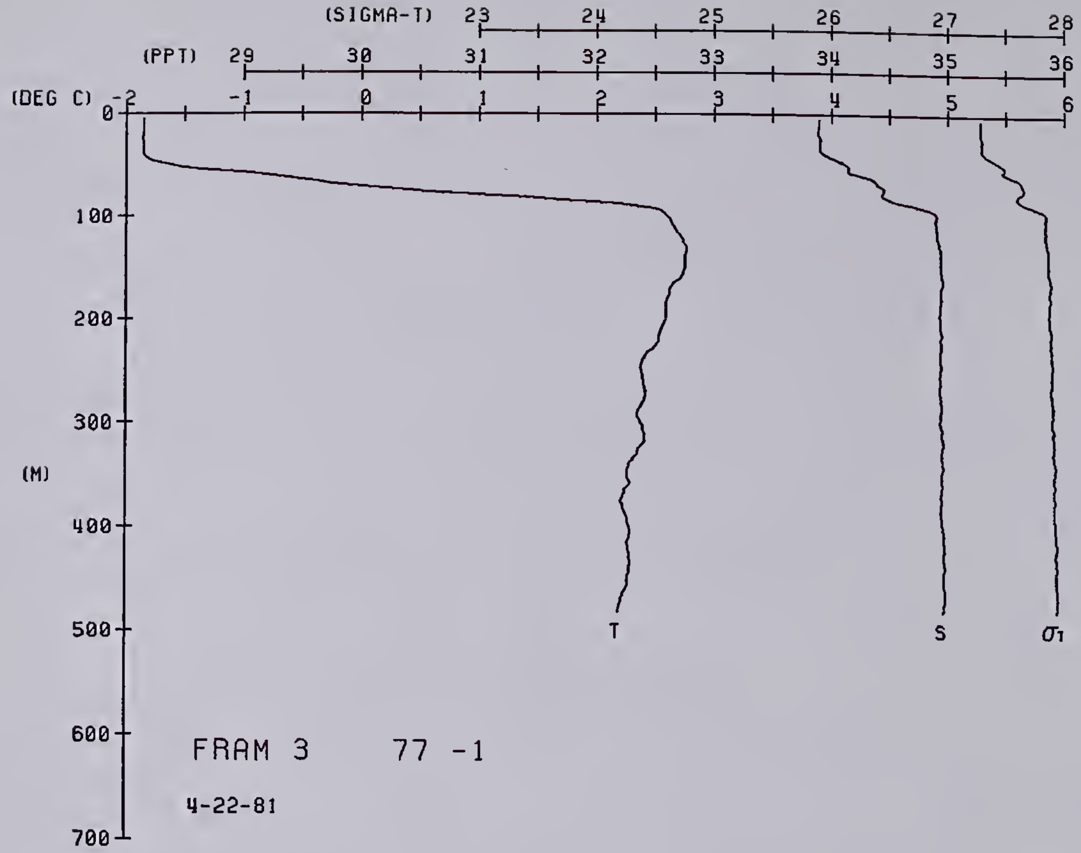
 DEPTH    TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0   -1.85  -1.85  33.90  27.29   77.6  0.000  1439.1
   4.0   -1.85  -1.85  33.90  27.29   77.5  0.003  1439.2
   5.0   -1.85  -1.85  33.90  27.29   77.6  0.004  1439.2
  10.0   -1.85  -1.85  33.89  27.28   77.9  0.008  1439.3
  15.0   -1.85  -1.85  33.89  27.28   78.2  0.012  1439.4
  20.0   -1.85  -1.85  33.89  27.28   78.1  0.016  1439.5
  25.0   -1.85  -1.85  33.91  27.29   76.8  0.020  1439.5
  30.0   -1.85  -1.85  33.90  27.29   77.2  0.024  1439.6
  35.0   -1.85  -1.85  33.91  27.29   76.9  0.027  1439.7
  40.0   -1.84  -1.84  33.96  27.33   72.9  0.031  1439.9
  45.0   -1.78  -1.78  34.06  27.42   65.1  0.035  1440.4
  50.0   -1.63  -1.63  34.14  27.48   59.4  0.038  1441.4
  55.0   -1.29  -1.30  34.14  27.47   59.9  0.041  1443.0
  60.0   -0.77  -0.78  34.27  27.55   52.2  0.044  1445.7
  65.0   -0.47  -0.47  34.37  27.62   45.5  0.046  1447.4
  70.0   -0.09  -0.09  34.43  27.65   43.4  0.048  1449.2
  75.0    0.41   0.41  34.44  27.63   44.6  0.051  1451.6
  80.0    1.11   1.11  34.45  27.59   48.7  0.053  1454.9
  85.0    1.83   1.82  34.55  27.63   45.7  0.055  1458.3
  90.0    2.37   2.37  34.77  27.75   33.9  0.057  1461.1
  95.0    2.56   2.55  34.89  27.84   26.2  0.059  1462.1
 100.0    2.61   2.60  34.90  27.84   26.0  0.060  1462.4
 110.0    2.66   2.65  34.90  27.83   26.5  0.063  1462.8
 120.0    2.72   2.71  34.91  27.84   26.4  0.066  1463.3
 130.0    2.76   2.75  34.93  27.85   24.9  0.068  1463.6
 140.0    2.75   2.74  34.93  27.86   24.7  0.071  1463.7
 150.0    2.74   2.74  34.93  27.85   25.1  0.073  1463.9
 160.0    2.70   2.69  34.95  27.87   23.5  0.076  1463.9
 170.0    2.62   2.61  34.94  27.87   23.7  0.078  1463.7
 180.0    2.59   2.58  34.94  27.87   23.3  0.080  1463.8
 190.0    2.59   2.57  34.93  27.87   23.9  0.083  1463.9
 200.0    2.58   2.57  34.93  27.87   23.8  0.085  1464.0
 210.0    2.54   2.53  34.93  27.87   23.3  0.088  1464.0
 220.0    2.52   2.51  34.93  27.87   23.4  0.090  1464.1
 230.0    2.45   2.44  34.93  27.88   23.1  0.092  1463.9
 240.0    2.38   2.37  34.92  27.88   23.0  0.095  1463.8
 250.0    2.38   2.36  34.93  27.88   22.7  0.097  1463.9
 260.0    2.39   2.37  34.92  27.88   23.1  0.099  1464.2
 270.0    2.41   2.39  34.92  27.87   23.6  0.102  1464.4
 280.0    2.38   2.37  34.93  27.89   22.4  0.104  1464.5
 290.0    2.34   2.32  34.93  27.89   22.5  0.106  1464.4
 300.0    2.37   2.35  34.92  27.88   23.2  0.109  1464.7
 310.0    2.39   2.38  34.94  27.89   22.4  0.111  1465.0
 320.0    2.38   2.36  34.95  27.90   21.5  0.113  1465.1
 330.0    2.33   2.31  34.93  27.89   22.3  0.115  1465.1
 340.0    2.27   2.25  34.95  27.91   20.8  0.118  1465.0
 350.0    2.26   2.23  34.93  27.90   21.9  0.120  1465.1
 360.0    2.26   2.24  34.94  27.90   21.5  0.122  1465.3
 370.0    2.21   2.19  34.93  27.90   21.9  0.124  1465.2
 380.0    2.21   2.19  34.93  27.90   21.7  0.126  1465.4
 390.0    2.25   2.23  34.93  27.89   22.3  0.128  1465.7
 400.0    2.27   2.24  34.94  27.90   21.7  0.131  1466.0
 410.0    2.27   2.24  34.95  27.91   20.8  0.133  1466.1
 420.0    2.26   2.24  34.96  27.92   20.2  0.135  1466.3
 430.0    2.27   2.24  34.95  27.91   21.2  0.137  1466.5
 440.0    2.27   2.24  34.96  27.92   20.3  0.139  1466.7
 450.0    2.25   2.22  34.95  27.91   20.9  0.141  1466.7
 460.0    2.23   2.21  34.95  27.92   20.6  0.143  1466.8
 470.0    2.19   2.17  34.96  27.92   20.1  0.145  1466.8
 480.0    2.17   2.15  34.95  27.92   20.7  0.147  1466.9
 482.2    2.17   2.14  34.94  27.91   21.0  0.148  1466.9
```

```
 FRAM 3  STATION  78(1) CTD  23/APR/1981 1431 GMT  CODE = 5
LAT = 82.8317N LNG =   6.1583E LTER =    300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

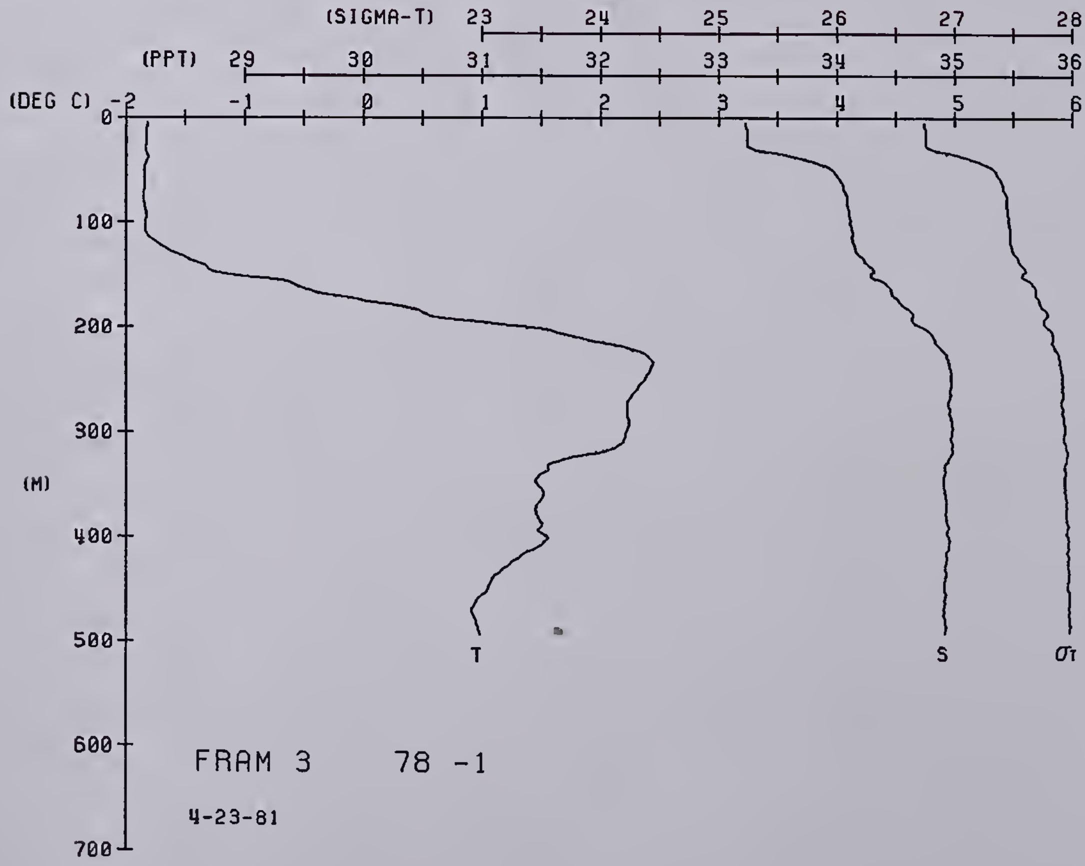
DEPTH    TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.82  -1.82  33.23  26.74  129.1  0.000  1438.3
   4.0  -1.82  -1.82  33.23  26.74  129.0  0.005  1438.4
   5.0  -1.82  -1.82  33.23  26.74  129.1  0.007  1438.4
  10.0  -1.83  -1.83  33.24  26.75  128.3  0.013  1438.5
  15.0  -1.83  -1.83  33.25  26.76  127.8  0.020  1438.6
  20.0  -1.83  -1.83  33.24  26.75  128.0  0.026  1438.7
  25.0  -1.83  -1.83  33.24  26.75  128.1  0.032  1438.7
  30.0  -1.83  -1.83  33.30  26.80  123.5  0.039  1438.9
  35.0  -1.81  -1.81  33.55  27.00  104.3  0.045  1439.4
  40.0  -1.81  -1.81  33.74  27.15   90.0  0.049  1439.7
  45.0  -1.84  -1.84  33.89  27.28   78.3  0.054  1439.9
  50.0  -1.85  -1.85  33.97  27.34   72.1  0.058  1440.1
  55.0  -1.84  -1.84  34.00  27.37   69.2  0.061  1440.2
  60.0  -1.84  -1.84  34.04  27.40   66.7  0.065  1440.4
  65.0  -1.85  -1.85  34.06  27.42   64.9  0.068  1440.5
  70.0  -1.85  -1.85  34.07  27.43   64.0  0.071  1440.5
  75.0  -1.85  -1.85  34.09  27.44   62.2  0.074  1440.7
  80.0  -1.85  -1.85  34.09  27.44   62.2  0.077  1440.7
  85.0  -1.84  -1.84  34.10  27.45   61.6  0.081  1440.9
  90.0  -1.83  -1.83  34.11  27.45   61.2  0.084  1441.0
  95.0  -1.83  -1.83  34.11  27.46   60.9  0.087  1441.1
 100.0  -1.83  -1.83  34.11  27.46   60.4  0.090  1441.2
 110.0  -1.82  -1.83  34.14  27.48   58.6  0.096  1441.4
 120.0  -1.73  -1.73  34.14  27.48   58.5  0.102  1442.1
 130.0  -1.56  -1.56  34.18  27.51   55.6  0.108  1443.1
 140.0  -1.35  -1.36  34.26  27.57   50.3  0.113  1444.3
 150.0  -1.11  -1.12  34.29  27.58   49.0  0.118  1445.6
 160.0  -0.55  -0.56  34.43  27.68   40.3  0.122  1448.6
 170.0  -0.21  -0.22  34.48  27.70   38.5  0.126  1450.4
 180.0   0.34   0.33  34.57  27.74   34.9  0.130  1453.2
 190.0   0.62   0.61  34.65  27.79   30.5  0.133  1454.8
 200.0   1.44   1.43  34.72  27.79   30.7  0.137  1458.7
 210.0   1.82   1.81  34.82  27.84   25.9  0.139  1460.7
 220.0   2.25   2.23  34.88  27.86   24.9  0.142  1462.8
 230.0   2.43   2.41  34.94  27.89   21.8  0.144  1463.9
 240.0   2.42   2.41  34.97  27.91   19.9  0.146  1464.0
 250.0   2.37   2.36  34.97  27.92   19.4  0.148  1464.0
 260.0   2.30   2.28  34.97  27.92   19.0  0.150  1463.8
 270.0   2.23   2.22  34.95  27.92   19.5  0.152  1463.7
 280.0   2.22   2.21  34.96  27.92   19.0  0.154  1463.8
 290.0   2.25   2.23  34.98  27.93   18.2  0.156  1464.1
 300.0   2.22   2.20  34.98  27.94   17.5  0.158  1464.2
 310.0   2.19   2.17  34.98  27.94   17.6  0.160  1464.2
 320.0   1.94   1.92  34.99  27.97   14.7  0.161  1463.3
 330.0   1.57   1.56  34.94  27.95   15.7  0.163  1461.8
 340.0   1.50   1.48  34.93  27.95   16.0  0.165  1461.6
 350.0   1.48   1.46  34.91  27.94   17.0  0.166  1461.6
 360.0   1.52   1.50  34.93  27.95   16.2  0.168  1462.0
 370.0   1.46   1.44  34.93  27.96   15.3  0.169  1461.9
 380.0   1.48   1.46  34.93  27.96   15.6  0.171  1462.2
 390.0   1.49   1.47  34.96  27.98   13.9  0.173  1462.4
 400.0   1.56   1.54  34.95  27.97   14.7  0.174  1462.9
 410.0   1.47   1.45  34.95  27.97   14.0  0.175  1462.7
 420.0   1.31   1.28  34.94  27.98   13.6  0.177  1462.1
 430.0   1.19   1.17  34.93  27.97   13.8  0.178  1461.7
 440.0   1.09   1.07  34.93  27.98   13.1  0.180  1461.4
 450.0   1.05   1.03  34.92  27.97   13.7  0.181  1461.4
 460.0   0.96   0.94  34.92  27.99   12.5  0.182  1461.2
 470.0   0.92   0.89  34.91  27.98   12.8  0.184  1461.1
 480.0   0.96   0.94  34.92  27.99   12.5  0.185  1461.5
 490.0   0.98   0.96  34.93  27.99   12.0  0.186  1461.8
 494.1   0.99   0.96  34.93  27.99   12.4  0.187  1461.9
```



FRAM 3 77 -1

4-22-81



FRAM 3 78 -1

4-23-81

```
FRAM 3  STATION  79(1) CTD  23/APR/1981 1535 GMT  CODE = 5
LAT = 82.3087N LNG =   6.1433E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0
```

```
 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   33.89   27.28    78.2   0.000  1439.1
   4.9   -1.86   -1.86   33.89   27.28    78.2   0.004  1439.2
   5.0   -1.86   -1.86   33.89   27.28    78.2   0.004  1439.2
  10.0   -1.86   -1.86   33.90   27.29    77.4   0.008  1439.3
  15.0   -1.86   -1.86   33.90   27.29    77.4   0.012  1439.3
  20.0   -1.85   -1.85   33.92   27.30    76.2   0.016  1439.5
  25.0   -1.83   -1.83   33.93   27.32    74.7   0.020  1439.7
  30.0   -1.84   -1.84   33.95   27.33    73.4   0.023  1439.8
  35.0   -1.84   -1.84   34.01   27.37    69.2   0.027  1439.9
  40.0   -1.83   -1.83   34.10   27.45    61.8   0.030  1440.2
  45.0   -1.82   -1.82   34.15   27.49    57.8   0.033  1440.4
  50.0   -1.81   -1.81   34.18   27.51    55.8   0.036  1440.6
  55.0   -1.79   -1.80   34.19   27.52    55.1   0.039  1440.7
  60.0   -1.81   -1.81   34.22   27.55    52.7   0.042  1440.8
  65.0   -1.81   -1.81   34.22   27.55    52.5   0.044  1440.9
  70.0   -1.81   -1.81   34.23   27.55    51.9   0.047  1441.0
  75.0   -1.81   -1.81   34.20   27.53    53.6   0.050  1441.0
  80.0   -1.80   -1.80   34.23   27.55    52.1   0.052  1441.2
  85.0   -1.77   -1.77   34.24   27.56    50.9   0.055  1441.4
  90.0   -1.76   -1.76   34.23   27.55    51.7   0.057  1441.5
  95.0   -1.73   -1.74   34.25   27.57    50.5   0.060  1441.8
 100.0   -1.59   -1.59   34.28   27.59    48.0   0.062  1442.6
 110.0   -1.26   -1.27   34.35   27.64    43.9   0.067  1444.4
 120.0   -0.61   -0.62   34.49   27.72    35.9   0.071  1447.8
 130.0    0.14    0.13   34.64   27.81    28.3   0.074  1451.6
 140.0    0.39    0.39   34.68   27.83    26.6   0.077  1453.0
 150.0    0.62    0.62   34.73   27.85    24.4   0.080  1454.2
 160.0    0.89    0.88   34.75   27.85    24.5   0.082  1455.6
 170.0    1.25    1.24   34.77   27.84    25.6   0.085  1457.4
 180.0    1.52    1.51   34.85   27.89    21.2   0.087  1458.9
 190.0    1.83    1.82   34.89   27.90    20.3   0.089  1460.5
 200.0    2.10    2.09   34.91   27.89    21.6   0.091  1461.9
 210.0    2.10    2.09   34.94   27.92    19.0   0.093  1462.1
 220.0    2.02    2.01   34.94   27.92    18.5   0.095  1461.9
 230.0    2.13    2.12   35.02   27.98    13.6   0.097  1462.7
 240.0    2.07    2.05   34.96   27.93    17.7   0.099  1462.5
 250.0    1.97    1.95   34.93   27.91    19.4   0.100  1462.2
 260.0    2.04    2.02   34.96   27.94    17.2   0.102  1462.7
 270.0    2.10    2.08   34.97   27.94    17.2   0.104  1463.1
 280.0    2.13    2.11   34.97   27.94    17.2   0.106  1463.4
 290.0    2.10    2.09   34.98   27.94    16.9   0.107  1463.5
 300.0    2.07    2.05   34.97   27.95    16.8   0.109  1463.5
 310.0    2.05    2.03   34.97   27.95    16.8   0.111  1463.6
 320.0    2.05    2.04   34.98   27.95    16.2   0.113  1463.8
 330.0    2.05    2.03   34.99   27.96    16.0   0.114  1463.9
 340.0    2.04    2.02   34.98   27.96    16.1   0.116  1464.0
 350.0    1.99    1.97   34.98   27.96    16.0   0.117  1464.0
 360.0    2.06    2.04   35.00   27.96    15.3   0.119  1464.5
 370.0    2.08    2.05   35.00   27.97    15.3   0.121  1464.7
 380.0    2.08    2.06   35.00   27.96    15.6   0.122  1464.9
 390.0    2.06    2.03   35.00   27.97    15.3   0.124  1465.0
 400.0    2.02    1.99   35.00   27.97    14.8   0.125  1465.0
 410.0    1.99    1.97   35.00   27.97    14.8   0.127  1465.0
 420.0    1.98    1.95   35.00   27.97    14.8   0.128  1465.1
 430.0    1.91    1.89   34.99   27.97    14.6   0.130  1465.0
 440.0    1.88    1.86   34.99   27.97    14.6   0.131  1465.0
 450.0    1.86    1.84   34.99   27.97    14.7   0.133  1465.1
 460.0    1.82    1.79   34.99   27.98    14.5   0.134  1465.1
 470.0    1.76    1.74   34.99   27.98    13.7   0.136  1465.0
 480.0    1.83    1.81   35.00   27.98    13.9   0.137  1465.5
 490.0    1.79    1.76   34.99   27.98    13.8   0.138  1465.4
 500.0    1.65    1.62   34.97   27.98    14.2   0.140  1465.0
 530.0    1.55    1.52   34.96   27.98    14.5   0.144  1465.0
 560.0    1.30    1.27   34.96   28.00    12.3   0.148  1464.4
 590.0    1.15    1.12   34.96   28.00    11.7   0.152  1464.2
 620.0    1.00    0.96   34.95   28.00    11.4   0.155  1464.0
 650.0    0.97    0.94   34.95   28.01    10.7   0.159  1464.4
 680.0    0.84    0.81   34.95   28.02     9.9   0.162  1464.4
```

```
 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0    0.72    0.69   34.96   28.03     8.7   0.165  1464.3
 740.0    0.50    0.47   34.95   28.04     7.6   0.167  1463.8
 790.0    0.21    0.18   34.96   28.06     4.9   0.170  1463.4
 840.0   -0.03   -0.06   34.92   28.04     6.0   0.173  1463.1
 890.0   -0.19   -0.23   34.94   28.07     3.3   0.175  1463.2
 940.0   -0.32   -0.37   34.93   28.07     2.7   0.177  1463.4
 990.0   -0.37   -0.41   34.94   28.08     1.7   0.178  1464.0
1040.0   -0.43   -0.48   34.93   28.07     2.3   0.179  1464.6
1090.0   -0.46   -0.50   34.94   28.08     1.2   0.180  1465.3
1140.0   -0.51   -0.55   34.92   28.06     2.3   0.181  1465.9
1190.0   -0.58   -0.63   34.94   28.09    -0.2   0.181  1466.5
1240.0   -0.62   -0.67   34.94   28.09    -0.5   0.181  1467.1
1290.0   -0.65   -0.71   34.95   28.09    -1.3   0.181  1467.8
1340.0   -0.65   -0.71   34.95   28.10    -1.8   0.180  1468.7
1390.0   -0.68   -0.74   34.94   28.09    -1.0   0.179  1469.4
1440.0   -0.71   -0.77   34.94   28.09    -1.7   0.179  1470.1
1490.0   -0.73   -0.79   34.93   28.09    -1.3   0.178  1470.9
1540.0   -0.75   -0.81   34.94   28.10    -2.2   0.177  1471.6
1590.0   -0.76   -0.84   34.94   28.10    -2.3   0.176  1472.4
1640.0   -0.83   -0.90   34.94   28.10    -2.7   0.175  1472.9
1690.0   -0.87   -0.95   34.93   28.09    -2.8   0.173  1473.6
1740.0   -0.88   -0.96   34.94   28.10    -3.4   0.172  1474.4
1790.0   -0.90   -0.99   34.93   28.10    -3.6   0.170  1475.2
1840.0   -0.88   -0.97   34.93   28.09    -2.8   0.168  1476.1
1890.0   -0.89   -0.98   34.94   28.10    -3.8   0.166  1476.9
1940.0   -0.91   -1.00   34.94   28.10    -4.1   0.164  1477.7
1990.0   -0.92   -1.01   34.93   28.10    -3.9   0.162  1478.5
2040.0   -0.92   -1.02   34.93   28.10    -4.2   0.160  1479.4
2090.0   -0.92   -1.02   34.94   28.10    -4.5   0.158  1480.2
2140.0   -0.92   -1.02   34.93   28.09    -4.2   0.156  1481.1
2190.0   -0.92   -1.02   34.94   28.10    -4.6   0.154  1482.0
2240.0   -0.90   -1.02   34.93   28.10    -4.5   0.151  1482.9
2290.0   -0.90   -1.02   34.94   28.10    -4.8   0.149  1483.8
2318.8   -0.90   -1.02   34.94   28.10    -5.1   0.147  1484.3
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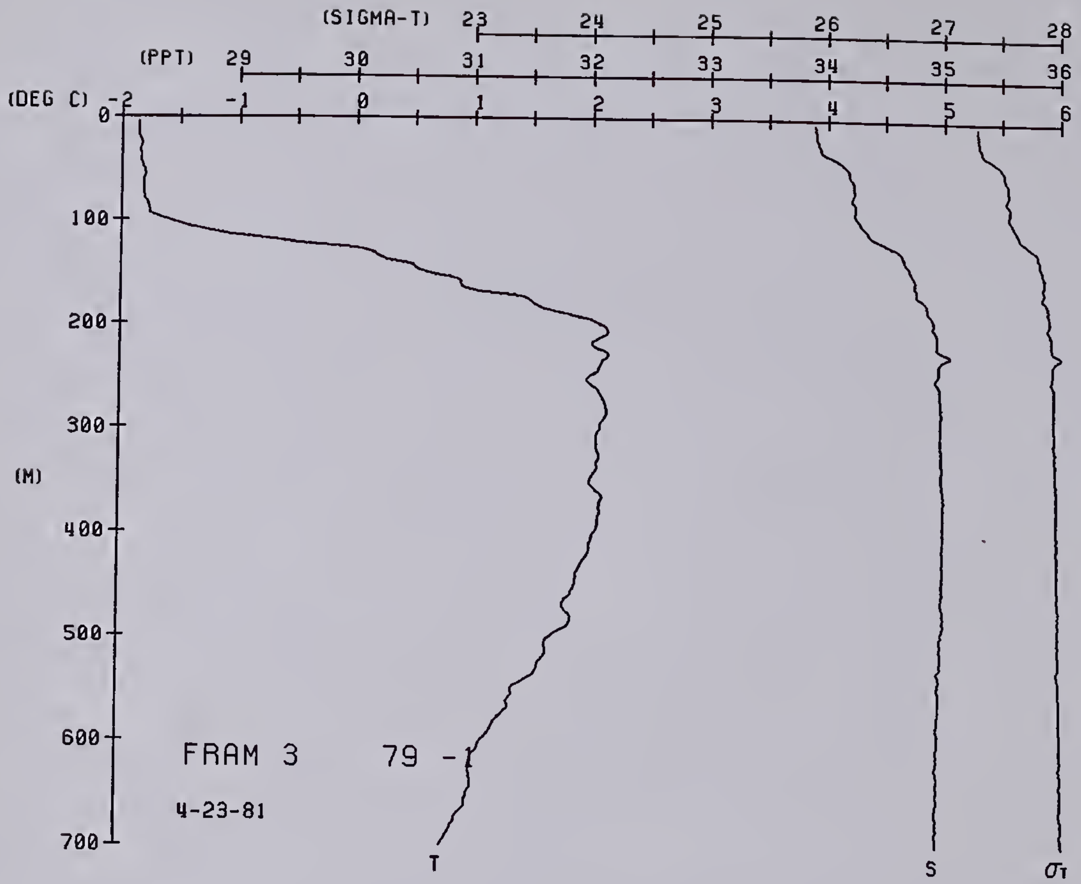
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(M)
400
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600
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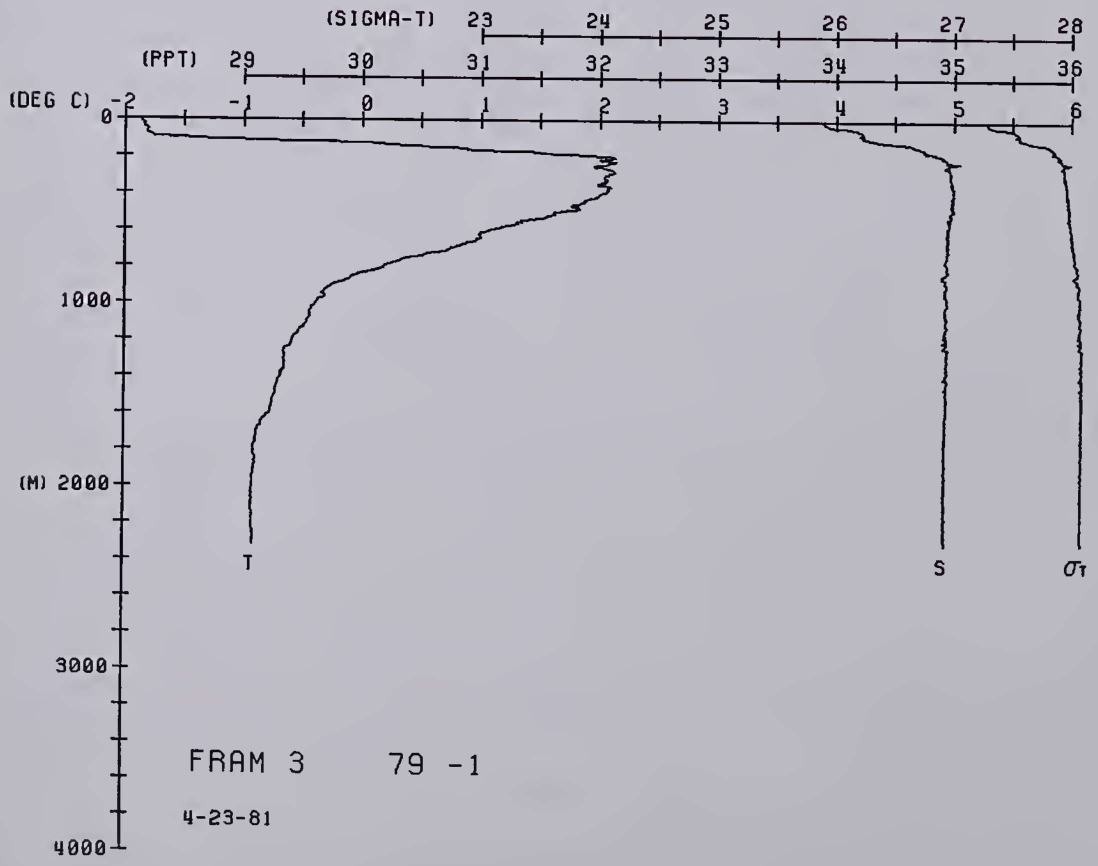
S
σT
FRAM 3 79 -1
4-23-81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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
T
S
σT
FRAM 3 79 -1
4-23-81

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 FRAM 3  STATION  80(1) CTD  23/APR/1981 1542 GMT  CODE = 5
LAT = 83.0417N LNG =   6.0650E LTER =   300, LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.86  -1.86   32.86   26.45   157.4   0.000   1437.7
   4.0  -1.86  -1.86   32.86   26.45   157.4   0.006   1437.7
   5.0  -1.85  -1.85   32.87   26.45   157.0   0.008   1437.7
  10.0  -1.85  -1.85   32.89   26.46   155.5   0.016   1437.9
  15.0  -1.85  -1.85   32.91   26.48   154.1   0.024   1438.0
  20.0  -1.84  -1.84   32.92   26.49   152.6   0.031   1438.1
  25.0  -1.84  -1.84   32.94   26.51   151.2   0.039   1438.3
  30.0  -1.84  -1.84   33.07   26.61   141.1   0.047   1438.5
  35.0  -1.85  -1.85   33.30   26.80   123.6   0.053   1438.9
  40.0  -1.87  -1.87   33.40   26.88   115.6   0.059   1439.0
  45.0  -1.88  -1.88   33.46   26.93   111.0   0.065   1439.1
  50.0  -1.88  -1.88   33.49   26.96   108.6   0.071   1439.3
  55.0  -1.88  -1.88   33.54   27.00   104.6   0.076   1439.4
  60.0  -1.88  -1.89   33.62   27.06    98.8   0.081   1439.6
  65.0  -1.89  -1.89   33.71   27.14    91.4   0.086   1439.8
  70.0  -1.90  -1.90   33.79   27.20    85.6   0.090   1439.9
  75.0  -1.90  -1.90   33.85   27.25    80.6   0.095   1440.1
  80.0  -1.90  -1.90   33.89   27.28    77.3   0.099   1440.2
  85.0  -1.90  -1.91   33.95   27.33    73.3   0.102   1440.3
  90.0  -1.90  -1.91   33.97   27.35    71.0   0.106   1440.5
  95.0  -1.89  -1.90   34.02   27.39    67.2   0.109   1440.7
 100.0  -1.88  -1.89   34.09   27.44    62.1   0.113   1440.9
 110.0  -1.77  -1.77   34.18   27.51    55.5   0.119   1441.7
 120.0  -1.65  -1.65   34.18   27.51    55.7   0.124   1442.5
 130.0  -1.55  -1.55   34.26   27.57    49.7   0.130   1443.2
 140.0  -1.44  -1.44   34.32   27.62    45.3   0.134   1444.0
 150.0  -1.30  -1.30   34.37   27.66    41.8   0.139   1444.9
 160.0  -1.09  -1.10   34.41   27.68    40.1   0.143   1446.1
 170.0  -0.75  -0.75   34.48   27.73    35.6   0.147   1448.0
 180.0  -0.52  -0.52   34.51   27.74    34.5   0.150   1449.2
 190.0  -0.13  -0.14   34.60   27.79    29.4   0.154   1451.3
 200.0   0.12   0.11   34.64   27.81    27.9   0.156   1452.7
 210.0   0.40   0.39   34.71   27.85    24.5   0.159   1454.2
 220.0   0.61   0.60   34.75   27.87    22.8   0.162   1455.4
 230.0   0.85   0.83   34.78   27.88    22.2   0.164   1456.6
 240.0   0.98   0.97   34.83   27.91    19.2   0.166   1457.5
 250.0   1.08   1.07   34.83   27.90    19.7   0.168   1458.1
 260.0   1.12   1.10   34.87   27.93    17.2   0.170   1458.5
 270.0   1.24   1.22   34.88   27.93    17.2   0.171   1459.2
 280.0   1.43   1.42   34.93   27.96    14.8   0.173   1460.3
 290.0   1.35   1.33   34.94   27.97    13.4   0.175   1460.1
 300.0   1.26   1.25   34.93   27.97    13.7   0.176   1459.9
 310.0   1.32   1.31   34.94   27.97    13.5   0.177   1460.3
 320.0   1.33   1.31   34.96   27.99    12.3   0.179   1460.5
 330.0   1.37   1.35   34.94   27.97    14.0   0.180   1460.9
 340.0   1.39   1.37   34.96   27.99    12.4   0.181   1461.1
 350.0   1.34   1.33   34.97   28.00    11.3   0.182   1461.1
 360.0   1.28   1.27   34.97   28.00    10.9   0.184   1461.0
 370.0   1.22   1.20   34.97   28.01    10.7   0.185   1460.9
 380.0   1.15   1.13   34.96   28.00    10.8   0.186   1460.7
 390.0   1.06   1.04   34.96   28.01    10.3   0.187   1460.5
 400.0   0.97   0.95   34.95   28.01    10.5   0.188   1460.3
 410.0   0.97   0.95   34.95   28.01    10.2   0.189   1460.4
 420.0   1.00   0.98   34.96   28.01    10.2   0.190   1460.7
 430.0   1.01   0.99   34.96   28.01    10.4   0.191   1460.9
 440.0   1.01   0.99   34.97   28.02     9.1   0.192   1461.2
 450.0   1.00   0.98   34.96   28.02     9.8   0.193   1461.2
 460.0   0.98   0.96   34.97   28.02     9.0   0.194   1461.3
 470.0   0.96   0.93   34.96   28.02     9.4   0.195   1461.4
 480.0   0.93   0.91   34.96   28.02     9.3   0.196   1461.4
 490.0   0.91   0.88   34.97   28.03     8.6   0.197   1461.5
 499.0   0.87   0.84   34.97   28.03     8.1   0.197   1461.5
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 FRAM 3  STATION  81(1) CTD  23/APR/1981 1704 GMT  CODE = 5
LAT = 83.3833N LNG =   6.1550E LTER =   300, LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.81  -1.81   32.57   26.20   180.4   0.000   1437.4
   4.0  -1.81  -1.81   32.57   26.20   180.4   0.007   1437.5
   5.0  -1.81  -1.81   32.57   26.20   180.4   0.009   1437.5
  10.0  -1.81  -1.81   32.56   26.20   180.6   0.018   1437.6
  15.0  -1.82  -1.82   32.57   26.21   180.0   0.027   1437.7
  20.0  -1.82  -1.82   32.58   26.22   179.0   0.036   1437.8
  25.0  -1.82  -1.82   32.59   26.22   178.7   0.046   1437.9
  30.0  -1.82  -1.82   32.67   26.29   172.2   0.054   1438.0
  35.0  -1.83  -1.83   32.85   26.43   158.6   0.063   1438.3
  40.0  -1.84  -1.84   32.93   26.50   152.0   0.071   1438.5
  45.0  -1.85  -1.85   33.00   26.55   146.7   0.078   1438.6
  50.0  -1.85  -1.85   33.06   26.60   142.2   0.085   1438.8
  55.0  -1.85  -1.85   33.12   26.66   136.9   0.092   1439.0
  60.0  -1.84  -1.84   33.26   26.76   126.7   0.099   1439.3
  65.0  -1.83  -1.83   33.45   26.92   111.6   0.105   1439.7
  70.0  -1.82  -1.82   33.66   27.09    95.7   0.110   1440.1
  75.0  -1.82  -1.82   33.80   27.21    84.6   0.115   1440.4
  80.0  -1.82  -1.82   33.88   27.27    78.7   0.119   1440.6
  85.0  -1.80  -1.81   33.96   27.34    72.3   0.123   1440.8
  90.0  -1.78  -1.79   34.05   27.41    65.8   0.126   1441.1
  95.0  -1.76  -1.76   34.13   27.47    59.3   0.130   1441.5
 100.0  -1.74  -1.74   34.19   27.52    55.0   0.132   1441.7
 110.0  -1.65  -1.65   34.25   27.57    50.4   0.138   1442.4
 120.0  -1.61  -1.61   34.30   27.61    46.4   0.143   1442.8
 130.0  -1.58  -1.58   34.34   27.63    43.9   0.147   1443.2
 140.0  -1.48  -1.48   34.37   27.66    41.8   0.152   1443.9
 150.0  -1.29  -1.29   34.39   27.67    40.8   0.156   1445.0
 160.0  -0.89  -0.90   34.46   27.71    36.7   0.160   1447.1
 170.0  -0.62  -0.62   34.52   27.75    33.1   0.163   1448.6
 180.0  -0.29  -0.30   34.57   27.78    31.0   0.166   1450.3
 190.0   0.02   0.02   34.64   27.82    27.4   0.169   1452.1
 200.0   0.19   0.18   34.69   27.84    25.0   0.172   1453.1
 210.0   0.30   0.29   34.71   27.86    23.6   0.174   1453.7
 220.0   0.53   0.53   34.75   27.88    21.9   0.177   1455.0
 230.0   0.75   0.74   34.80   27.90    19.8   0.179   1456.2
 240.0   0.94   0.93   34.84   27.92    18.3   0.181   1457.3
 250.0   1.16   1.15   34.88   27.94    16.8   0.183   1458.5
 260.0   1.26   1.25   34.94   27.98    13.0   0.184   1459.2
 270.0   1.13   1.12   34.93   27.98    12.4   0.185   1458.8
 280.0   1.15   1.14   34.93   27.98    12.7   0.187   1459.1
 290.0   1.25   1.23   34.95   27.99    12.3   0.188   1459.7
 300.0   1.25   1.24   34.96   28.00    11.2   0.189   1459.9
 310.0   1.23   1.22   34.99   28.02     9.2   0.190   1460.0
 320.0   1.14   1.13   34.98   28.02     9.2   0.191   1459.7
 330.0   1.06   1.04   34.97   28.02     9.3   0.192   1459.5
 340.0   0.99   0.97   34.97   28.02     8.7   0.193   1459.4
 350.0   0.91   0.89   34.95   28.02     9.4   0.194   1459.1
 360.0   1.02   1.00   34.97   28.02     9.1   0.195   1459.9
 370.0   1.03   1.02   34.98   28.03     8.6   0.196   1460.1
 380.0   1.06   1.04   34.99   28.03     8.3   0.197   1460.4
 390.0   1.07   1.05   34.99   28.03     7.9   0.197   1460.6
 400.0   1.03   1.01   34.99   28.03     8.0   0.198   1460.6
 410.0   1.01   0.99   34.98   28.03     8.3   0.199   1460.7
 420.0   1.00   0.98   34.98   28.03     8.1   0.200   1460.8
 430.0   0.98   0.96   34.98   28.03     8.2   0.201   1460.8
 440.0   0.95   0.93   34.98   28.03     8.1   0.201   1460.9
 450.0   0.90   0.88   34.98   28.03     7.9   0.202   1460.8
 460.0   0.89   0.87   34.97   28.03     8.5   0.203   1460.9
 470.0   0.90   0.88   34.98   28.04     7.8   0.204   1461.1
 480.0   0.89   0.86   34.98   28.04     7.3   0.205   1461.3
 490.0   0.89   0.87   34.99   28.04     7.1   0.205   1461.4
 500.0   0.88   0.86   35.00   28.05     6.2   0.206   1461.6
 500.0   0.88   0.86   35.00   28.05     6.2   0.206   1461.6
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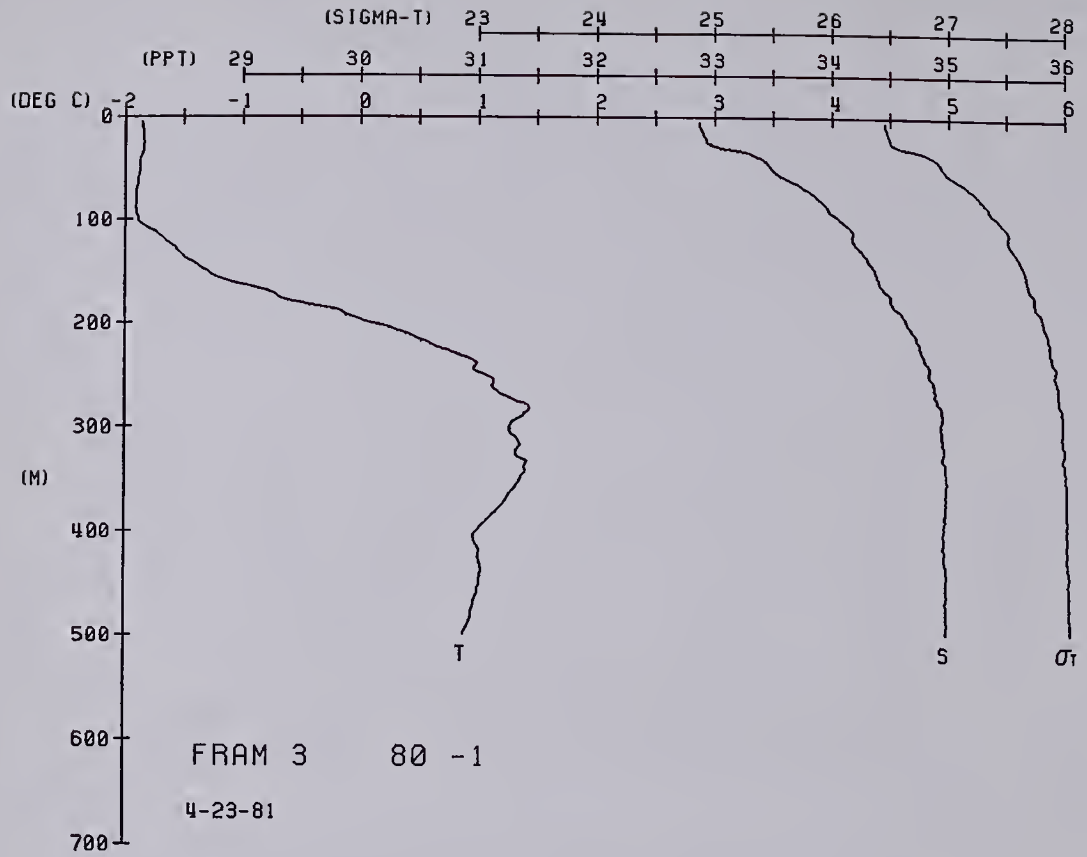

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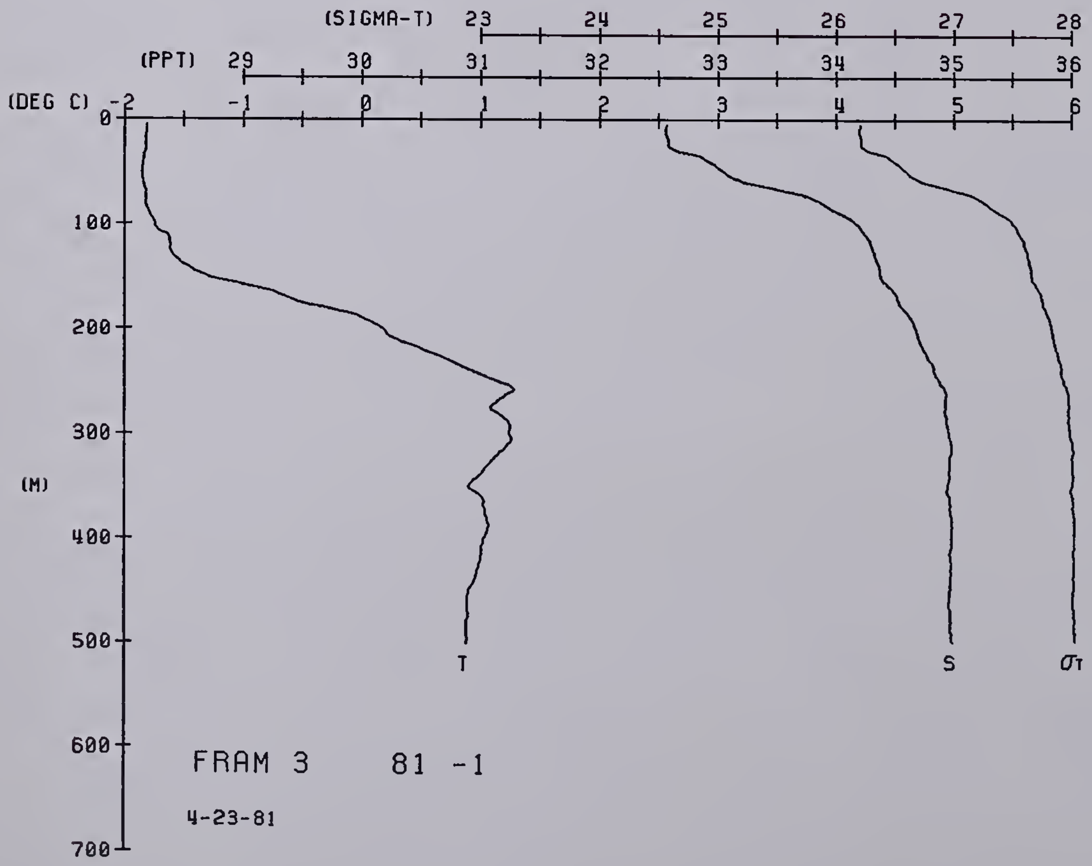

FRAM 3 81 -1

4-23-81

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LAT = 83.5750N LNG =   6.0733E LTER =  300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   32.40   26.07   193.2   0.000   1437.0
   4.0   -1.85   -1.85   32.40   26.07   193.2   0.008   1437.1
   5.0   -1.84   -1.84   32.40   26.07   192.8   0.010   1437.1
  10.0   -1.82   -1.82   32.41   26.08   192.4   0.020   1437.3
  15.0   -1.80   -1.80   32.41   26.08   192.3   0.029   1437.5
  20.0   -1.80   -1.80   32.41   26.07   192.4   0.039   1437.6
  25.0   -1.80   -1.80   32.41   26.08   192.1   0.049   1437.7
  30.0   -1.80   -1.81   32.43   26.09   190.8   0.058   1437.8
  35.0   -1.81   -1.81   32.44   26.10   190.1   0.068   1437.8
  40.0   -1.82   -1.82   32.46   26.12   188.3   0.078   1437.9
  45.0   -1.82   -1.82   32.67   26.28   172.3   0.087   1438.3
  50.0   -1.84   -1.84   33.15   26.68   134.6   0.094   1439.0
  55.0   -1.86   -1.86   33.54   26.99   105.1   0.100   1439.5
  60.0   -1.85   -1.85   33.75   27.16    88.9   0.105   1439.9
  65.0   -1.84   -1.84   33.86   27.25    80.5   0.110   1440.2
  70.0   -1.81   -1.81   33.95   27.33    73.0   0.114   1440.6
  75.0   -1.79   -1.79   34.04   27.40    66.4   0.117   1440.9
  80.0   -1.77   -1.77   34.11   27.45    61.2   0.120   1441.1
  85.0   -1.75   -1.75   34.15   27.49    58.2   0.123   1441.4
  90.0   -1.73   -1.73   34.18   27.51    55.6   0.126   1441.6
  95.0   -1.71   -1.71   34.22   27.54    52.8   0.129   1441.8
 100.0   -1.69   -1.69   34.25   27.57    50.4   0.132   1442.1
 110.0   -1.69   -1.69   34.30   27.61    46.7   0.136   1442.3
 120.0   -1.64   -1.64   34.32   27.62    44.9   0.141   1442.7
 130.0   -1.45   -1.45   34.36   27.65    42.4   0.145   1443.9
 140.0   -1.21   -1.22   34.40   27.68    40.0   0.150   1445.2
 150.0   -0.91   -0.92   34.44   27.70    37.9   0.154   1446.8
 160.0   -0.62   -0.62   34.51   27.74    34.3   0.157   1448.4
 170.0   -0.25   -0.25   34.58   27.78    30.6   0.161   1450.4
 180.0    0.07    0.06   34.60   27.78    30.4   0.164   1452.0
 190.0    0.43    0.42   34.67   27.82    27.5   0.167   1453.9
 200.0    0.68    0.68   34.76   27.88    22.1   0.169   1455.4
 210.0    1.10    1.09   34.81   27.89    21.4   0.171   1457.5
 220.0    1.38    1.37   34.88   27.92    18.0   0.173   1459.0
 230.0    1.54    1.52   34.92   27.94    16.6   0.175   1459.9
 240.0    1.63    1.61   34.94   27.96    15.2   0.177   1460.5
 250.0    1.60    1.59   34.95   27.96    14.4   0.178   1460.6
 260.0    1.56    1.55   34.96   27.98    13.4   0.180   1460.6
 270.0    1.50    1.49   34.97   27.98    12.7   0.181   1460.5
 280.0    1.50    1.49   34.96   27.98    13.0   0.182   1460.6
 290.0    1.49    1.48   34.98   27.99    12.0   0.183   1460.8
 300.0    1.50    1.48   34.98   28.00    11.7   0.185   1461.0
 310.0    1.43    1.41   34.98   28.00    11.2   0.186   1460.8
 320.0    1.39    1.38   34.97   28.00    11.5   0.187   1460.8
 330.0    1.34    1.32   34.98   28.01    10.7   0.188   1460.8
 340.0    1.27    1.25   34.98   28.01     9.8   0.189   1460.6
 350.0    1.18    1.16   34.99   28.02     9.1   0.190   1460.4
 360.0    1.10    1.09   34.96   28.01    10.5   0.191   1460.2
 370.0    1.04    1.02   34.96   28.01    10.0   0.192   1460.1
 380.0    0.93    0.91   34.95   28.01    10.2   0.193   1459.8
 390.0    0.96    0.94   34.95   28.01    10.2   0.194   1460.0
 400.0    1.04    1.02   34.97   28.02     9.6   0.195   1460.6
 410.0    1.09    1.07   34.98   28.03     8.8   0.196   1461.0
 420.0    1.03    1.01   34.99   28.03     8.2   0.197   1460.9
 430.0    0.99    0.97   34.98   28.03     8.1   0.198   1460.9
 440.0    0.95    0.93   34.98   28.03     8.3   0.199   1460.9
 450.0    0.91    0.89   34.97   28.03     8.4   0.199   1460.9
 460.0    0.86    0.84   34.97   28.03     8.2   0.200   1460.8
 470.0    0.88    0.86   34.97   28.03     8.4   0.201   1461.0
 480.0    0.91    0.89   34.98   28.03     8.0   0.202   1461.4
 490.0    0.88    0.85   34.97   28.03     8.2   0.203   1461.4
 498.0    0.86    0.83   34.97   28.03     8.3   0.203   1461.4
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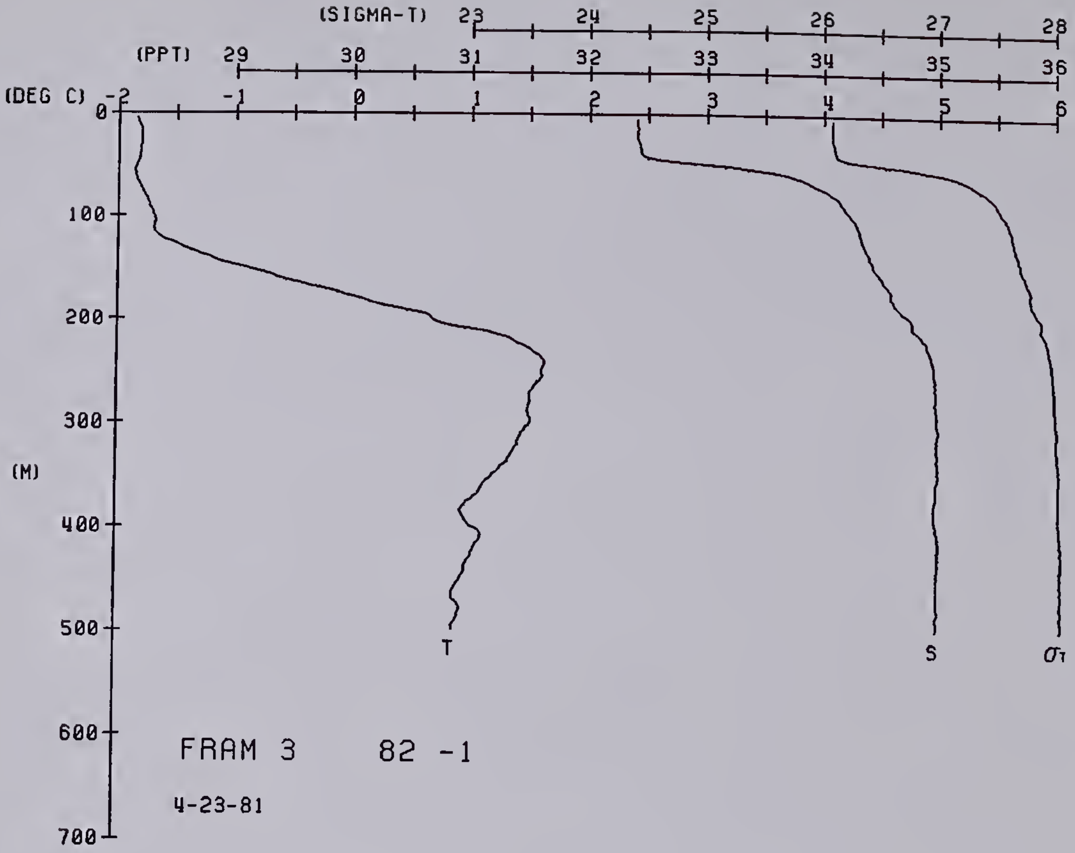

FRAM 3 82 -1

4-23-81

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 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND           DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   33.61   27.05    99.7   0.000  1438.7           710.0    0.50    0.47   34.91   28.01    10.2   0.181  1463.3
   4.0   -1.86   -1.86   33.61   27.05    99.6   0.004  1438.7           740.0    0.40    0.37   34.92   28.02     9.0   0.184  1463.3
   5.0   -1.86   -1.86   33.74   27.16    89.6   0.005  1439.0           790.0    0.15    0.11   34.92   28.04     6.9   0.188  1463.0
  10.0   -1.85   -1.85   34.04   27.40    66.8   0.009  1439.5           840.0   -0.07   -0.11   34.91   28.03     6.5   0.192  1462.8
  15.0   -1.84   -1.84   34.05   27.41    66.2   0.012  1439.7           890.0   -0.10   -0.14   34.92   28.05     5.4   0.195  1463.5
  20.0   -1.81   -1.81   34.04   27.40    66.3   0.016  1439.8           940.0   -0.20   -0.24   34.91   28.05     5.1   0.197  1464.0
  25.0   -1.79   -1.79   34.03   27.40    67.1   0.019  1440.0           990.0   -0.40   -0.44   34.92   28.07     2.7   0.199  1463.9
  30.0   -1.77   -1.78   34.03   27.39    67.6   0.022  1440.2          1040.0   -0.55   -0.59   34.93   28.08     1.3   0.200  1464.0
  35.0   -1.78   -1.79   34.07   27.43    64.0   0.026  1440.3          1090.0   -0.63   -0.67   34.93   28.08     0.7   0.201  1464.5
  40.0   -1.80   -1.80   34.10   27.45    61.8   0.029  1440.3          1140.0   -0.63   -0.67   34.93   28.08     0.4   0.201  1465.4
  45.0   -1.80   -1.80   34.12   27.47    60.3   0.032  1440.4          1190.0   -0.62   -0.67   34.92   28.08     0.8   0.201  1466.2
  50.0   -1.78   -1.78   34.08   27.43    63.4   0.035  1440.6          1240.0   -0.63   -0.68   34.92   28.08     0.6   0.202  1467.0
  55.0   -1.78   -1.78   34.13   27.48    59.3   0.038  1440.7          1290.0   -0.69   -0.75   34.93   28.08    -0.2   0.202  1467.6
  60.0   -1.80   -1.80   34.18   27.52    55.4   0.041  1440.8          1340.0   -0.74   -0.80   34.93   28.08    -0.6   0.202  1468.2
  65.0   -1.81   -1.81   34.20   27.53    54.4   0.044  1440.8          1390.0   -0.77   -0.83   34.92   28.08    -0.8   0.201  1468.9
  70.0   -1.81   -1.81   34.20   27.53    54.0   0.047  1440.9          1440.0   -0.81   -0.88   34.92   28.09    -1.3   0.201  1469.6
  75.0   -1.80   -1.80   34.19   27.52    55.0   0.049  1441.0          1459.0   -0.84   -0.90   34.92   28.08    -1.1   0.201  1469.8
  80.0   -1.80   -1.81   34.20   27.53    54.1   0.052  1441.1
  85.0   -1.80   -1.81   34.20   27.53    53.8   0.055  1441.2
  90.0   -1.80   -1.80   34.19   27.52    54.6   0.058  1441.3
  95.0   -1.79   -1.80   34.19   27.52    54.9   0.060  1441.4
 100.0   -1.78   -1.78   34.20   27.53    54.1   0.063  1441.6
 110.0   -1.58   -1.58   34.26   27.57    50.0   0.068  1442.7
 120.0   -1.26   -1.26   34.33   27.62    45.4   0.073  1444.5
 130.0   -0.96   -0.97   34.40   27.67    41.3   0.078  1446.2
 140.0   -0.53   -0.54   34.45   27.69    39.0   0.082  1448.4
 150.0   -0.23   -0.24   34.56   27.76    32.3   0.085  1450.1
 160.0    0.38    0.37   34.65   27.81    28.5   0.088  1453.2
 170.0    0.64    0.63   34.71   27.84    25.9   0.091  1454.6
 180.0    1.28    1.27   34.78   27.85    24.9   0.094  1457.8
 190.0    1.58    1.57   34.84   27.87    22.9   0.096  1459.3
 200.0    1.76    1.75   34.86   27.88    22.4   0.098  1460.3
 210.0    1.94    1.93   34.90   27.89    21.0   0.101  1461.4
 220.0    1.96    1.95   34.90   27.90    21.0   0.103  1461.6
 230.0    1.96    1.95   34.90   27.90    21.0   0.105  1461.8
 240.0    1.99    1.98   34.91   27.90    20.8   0.107  1462.1
 250.0    1.95    1.93   34.92   27.91    19.9   0.109  1462.1
 260.0    1.91    1.89   34.91   27.91    19.7   0.111  1462.0
 270.0    1.88    1.86   34.92   27.91    19.4   0.113  1462.1
 280.0    1.88    1.86   34.92   27.92    19.4   0.115  1462.2
 290.0    1.89    1.87   34.93   27.92    18.9   0.117  1462.5
 300.0    1.97    1.96   34.93   27.92    19.2   0.119  1463.0
 310.0    1.98    1.96   34.94   27.93    18.5   0.121  1463.2
 320.0    1.98    1.96   34.94   27.92    18.9   0.123  1463.4
 330.0    1.99    1.97   34.93   27.92    19.5   0.125  1463.6
 340.0    1.97    1.95   34.95   27.93    18.3   0.127  1463.7
 350.0    1.92    1.90   34.95   27.94    17.8   0.128  1463.6
 360.0    1.86    1.84   34.95   27.94    17.1   0.130  1463.5
 370.0    1.88    1.86   34.95   27.94    17.3   0.132  1463.8
 380.0    1.87    1.84   34.96   27.95    16.7   0.134  1463.9
 390.0    1.86    1.84   34.95   27.94    17.2   0.135  1464.0
 400.0    1.81    1.79   34.95   27.95    16.7   0.137  1464.0
 410.0    1.74    1.71   34.95   27.95    16.3   0.139  1463.8
 420.0    1.70    1.67   34.95   27.95    16.2   0.140  1463.8
 430.0    1.73    1.71   34.95   27.95    16.8   0.142  1464.1
 440.0    1.71    1.68   34.94   27.95    16.9   0.144  1464.2
 450.0    1.70    1.68   34.96   27.96    15.7   0.145  1464.3
 460.0    1.68    1.65   34.96   27.96    15.6   0.147  1464.4
 470.0    1.67    1.65   34.95   27.96    16.1   0.149  1464.6
 480.0    1.66    1.64   34.95   27.96    16.3   0.150  1464.7
 490.0    1.64    1.61   34.95   27.96    15.8   0.152  1464.7
 500.0    1.60    1.57   34.95   27.97    15.3   0.153  1464.7
 530.0    1.52    1.49   34.95   27.97    15.2   0.158  1464.9
 560.0    1.33    1.30   34.94   27.98    14.3   0.162  1464.5
 590.0    1.11    1.08   34.93   27.98    13.6   0.167  1464.0
 620.0    0.94    0.91   34.92   27.99    12.7   0.171  1463.8
 650.0    0.82    0.79   34.92   27.99    12.2   0.175  1463.7
 680.0    0.69    0.65   34.91   28.00    11.5   0.178  1463.6
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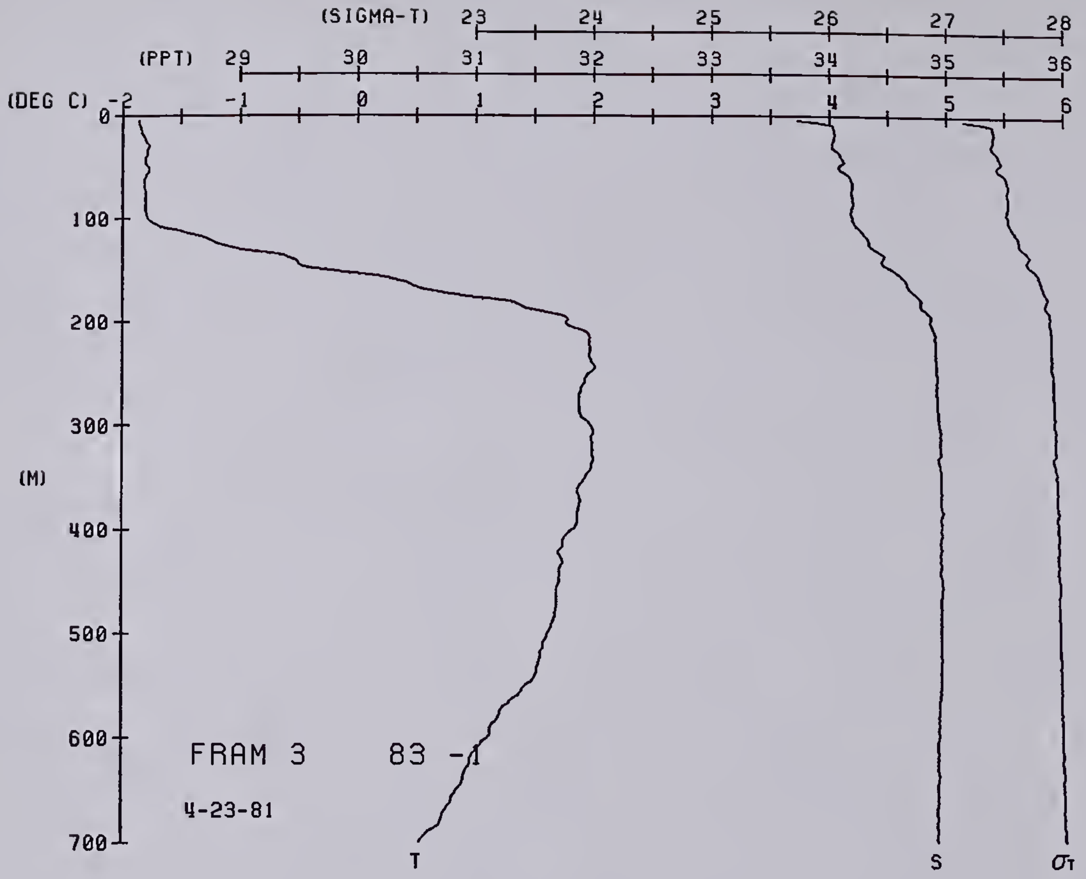
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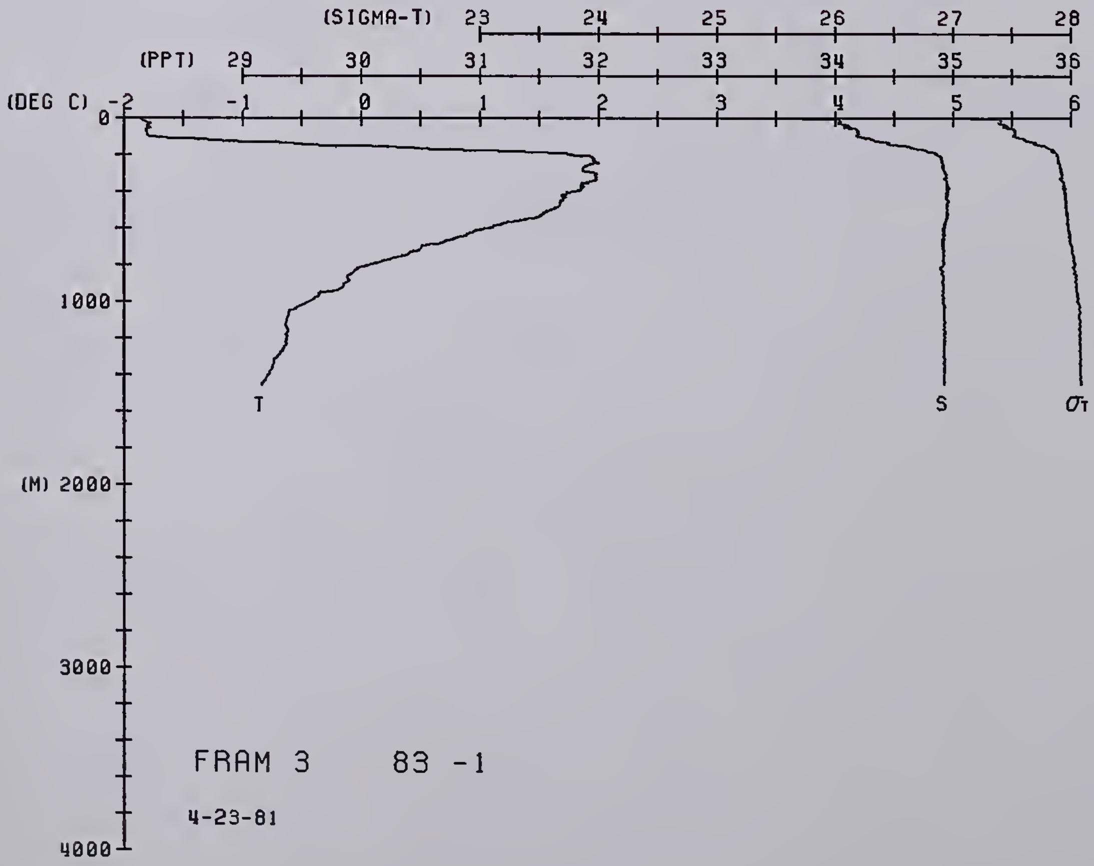
4-23-81
T
S
σT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(M) 2000
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σT
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  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND        DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

    0.0   -1.80   -1.80   34.19   27.52    55.3   0.000   1439.8        710.0    0.35    0.31   34.88   27.99    11.4   0.173   1462.5
    5.0   -1.80   -1.81   34.19   27.52    55.2   0.003   1439.8        740.0    0.18    0.15   34.90   28.01     9.1   0.176   1462.3
   10.0   -1.80   -1.81   34.19   27.52    55.2   0.006   1439.9        790.0    0.04    0.01   34.89   28.02     8.6   0.181   1462.5
   14.8   -1.80   -1.81   34.19   27.52    55.2   0.008   1440.0        840.0   -0.11   -0.14   34.89   28.03     7.3   0.185   1462.6
   15.0   -1.80   -1.81   34.19   27.52    55.2   0.008   1440.0        890.0   -0.26   -0.30   34.89   28.03     6.4   0.188   1462.8
   20.0   -1.80   -1.81   34.19   27.52    55.1   0.011   1440.1        940.0   -0.42   -0.46   34.89   28.04     5.0   0.191   1462.9
   25.0   -1.80   -1.81   34.19   27.52    55.1   0.014   1440.2        990.0   -0.44   -0.49   34.92   28.06     2.8   0.193   1463.7
   30.0   -1.80   -1.81   34.19   27.52    55.1   0.017   1440.3       1040.0   -0.49   -0.53   34.92   28.07     2.4   0.194   1464.3
   35.0   -1.80   -1.81   34.19   27.52    55.0   0.020   1440.3       1090.0   -0.73   -0.77   34.92   28.08     0.6   0.195   1464.1
   40.0   -1.80   -1.81   34.19   27.52    55.0   0.022   1440.4       1140.0   -0.79   -0.83   34.93   28.08    -0.4   0.195   1464.6
   45.0   -1.80   -1.81   34.19   27.52    55.0   0.025   1440.5       1190.0   -0.81   -0.86   34.93   28.09    -0.8   0.195   1465.4
   50.0   -1.80   -1.81   34.19   27.52    54.9   0.028   1440.6       1240.0   -0.84   -0.89   34.93   28.09    -1.2   0.194   1466.1
   55.0   -1.80   -1.81   34.19   27.52    54.9   0.031   1440.7       1290.0   -0.86   -0.91   34.93   28.09    -1.5   0.194   1466.9
   60.0   -1.80   -1.81   34.19   27.52    54.9   0.033   1440.8       1340.0   -0.89   -0.95   34.93   28.09    -1.8   0.193   1467.5
   65.0   -1.80   -1.81   34.19   27.52    54.8   0.036   1440.8       1390.0   -0.91   -0.97   34.93   28.09    -2.1   0.192   1468.3
   70.0   -1.80   -1.81   34.19   27.53    54.6   0.039   1440.9       1440.0   -0.94   -1.00   34.93   28.10    -2.8   0.191   1469.0
   75.0   -1.80   -1.81   34.18   27.52    55.4   0.042   1441.0       1490.0   -0.96   -1.02   34.93   28.10    -3.0   0.189   1469.8
   80.0   -1.80   -1.81   34.19   27.52    54.5   0.044   1441.1       1540.0   -0.96   -1.03   34.93   28.10    -3.3   0.188   1470.6
   85.0   -1.80   -1.81   34.20   27.53    53.8   0.047   1441.2       1590.0   -0.96   -1.03   34.93   28.10    -3.3   0.186   1471.5
   90.0   -1.80   -1.80   34.21   27.53    53.5   0.050   1441.3       1640.0   -0.96   -1.03   34.93   28.09    -3.2   0.184   1472.3
   95.0   -1.80   -1.80   34.20   27.53    53.5   0.053   1441.4       1690.0   -0.96   -1.03   34.93   28.10    -3.5   0.182   1473.2
  100.0   -1.77   -1.78   34.19   27.52    54.6   0.055   1441.6       1726.1   -0.95   -1.03   34.93   28.09    -3.5   0.181   1473.8
  110.0   -1.59   -1.60   34.22   27.54    52.9   0.061   1442.6
  120.0   -1.28   -1.28   34.30   27.60    47.7   0.066   1444.4
  130.0   -0.87   -0.87   34.39   27.66    42.2   0.070   1446.6
  140.0   -0.33   -0.34   34.52   27.73    34.9   0.074   1449.4
  150.0    0.04    0.04   34.59   27.77    31.4   0.078   1451.4
  160.0    0.35    0.35   34.65   27.81    28.3   0.081   1453.1
  170.0    0.50    0.50   34.69   27.83    26.4   0.083   1454.0
  180.0    0.80    0.79   34.77   27.87    22.6   0.086   1455.6
  190.0    1.50    1.49   34.83   27.87    22.8   0.088   1459.0
  200.0    1.75    1.74   34.86   27.88    22.2   0.091   1460.3
  210.0    1.67    1.66   34.86   27.89    21.8   0.093   1460.1
  220.0    1.48    1.47   34.85   27.89    21.5   0.095   1459.4
  230.0    1.77    1.76   34.90   27.91    19.6   0.097   1460.9
  240.0    1.60    1.59   34.88   27.91    19.5   0.099   1460.3
  250.0    1.70    1.69   34.90   27.91    19.6   0.101   1460.9
  260.0    1.77    1.76   34.90   27.91    20.1   0.103   1461.4
  270.0    1.61    1.59   34.90   27.92    18.6   0.105   1460.9
  280.0    1.54    1.52   34.89   27.92    19.0   0.107   1460.7
  290.0    1.54    1.52   34.89   27.92    18.6   0.109   1460.9
  300.0    1.61    1.59   34.90   27.92    18.4   0.111   1461.4
  310.0    1.63    1.61   34.91   27.93    18.3   0.112   1461.6
  320.0    1.59    1.57   34.91   27.93    18.0   0.114   1461.6
  330.0    1.54    1.52   34.91   27.94    17.2   0.116   1461.6
  340.0    1.37    1.35   34.89   27.93    17.7   0.118   1460.9
  350.0    1.34    1.32   34.89   27.93    17.4   0.120   1461.0
  360.0    1.35    1.33   34.89   27.94    17.3   0.121   1461.2
  370.0    1.36    1.34   34.90   27.94    16.9   0.123   1461.4
  380.0    1.33    1.31   34.90   27.94    16.8   0.125   1461.4
  390.0    1.39    1.37   34.90   27.94    16.9   0.127   1461.9
  400.0    1.45    1.42   34.91   27.94    17.0   0.128   1462.3
  410.0    1.50    1.48   34.92   27.95    16.7   0.130   1462.8
  420.0    1.55    1.53   34.94   27.95    16.0   0.132   1463.1
  430.0    1.58    1.56   34.94   27.96    15.8   0.133   1463.5
  440.0    1.53    1.50   34.93   27.95    16.4   0.135   1463.4
  450.0    1.45    1.43   34.93   27.96    15.8   0.137   1463.2
  460.0    1.36    1.34   34.91   27.95    16.8   0.138   1462.9
  470.0    1.36    1.34   34.92   27.96    15.9   0.140   1463.1
  480.0    1.36    1.34   34.93   27.96    15.4   0.141   1463.3
  490.0    1.39    1.36   34.92   27.96    15.8   0.143   1463.6
  500.0    1.38    1.35   34.93   27.96    15.4   0.145   1463.7
  530.0    1.36    1.33   34.94   27.97    14.8   0.149   1464.1
  560.0    1.10    1.07   34.92   27.98    13.9   0.154   1463.5
  590.0    1.08    1.05   34.92   27.98    14.0   0.158   1463.9
  620.0    0.91    0.88   34.91   27.98    13.2   0.162   1463.6
  650.0    0.74    0.71   34.90   27.98    12.8   0.166   1463.3
  680.0    0.55    0.52   34.90   27.99    11.6   0.170   1463.0
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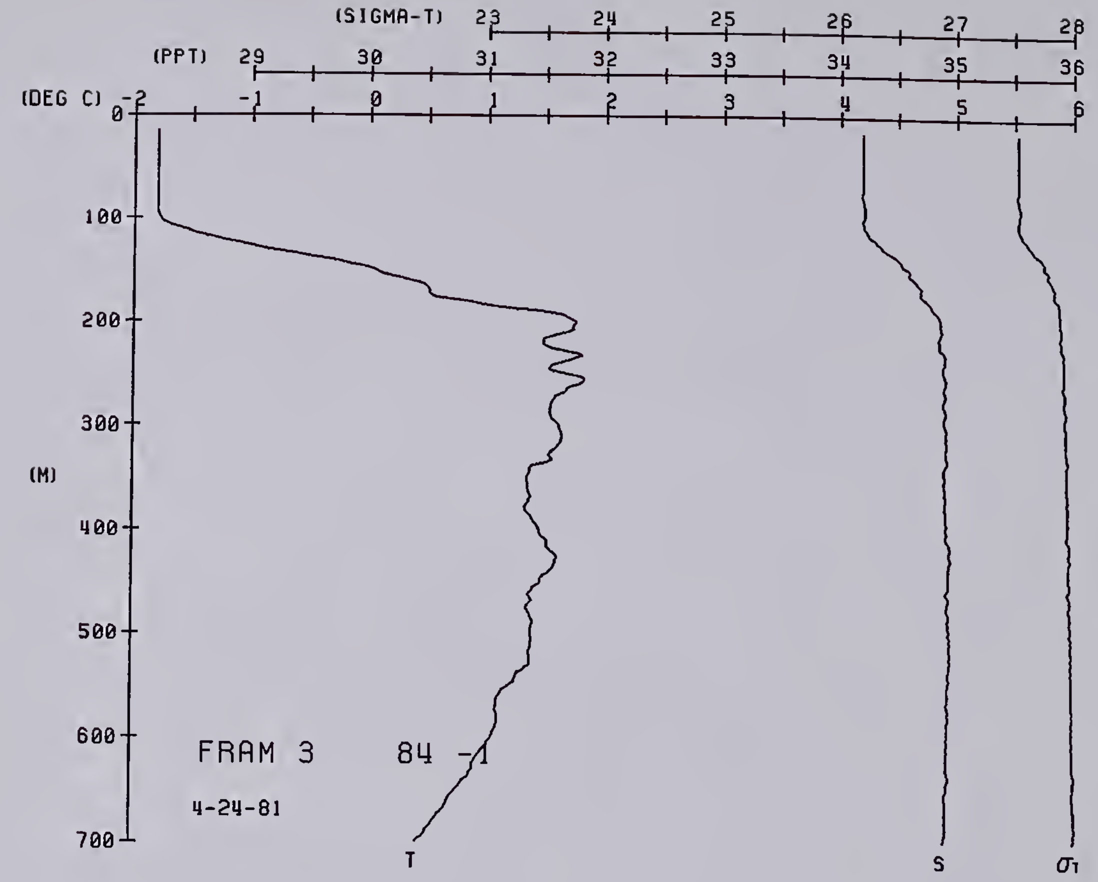
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200
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(M)
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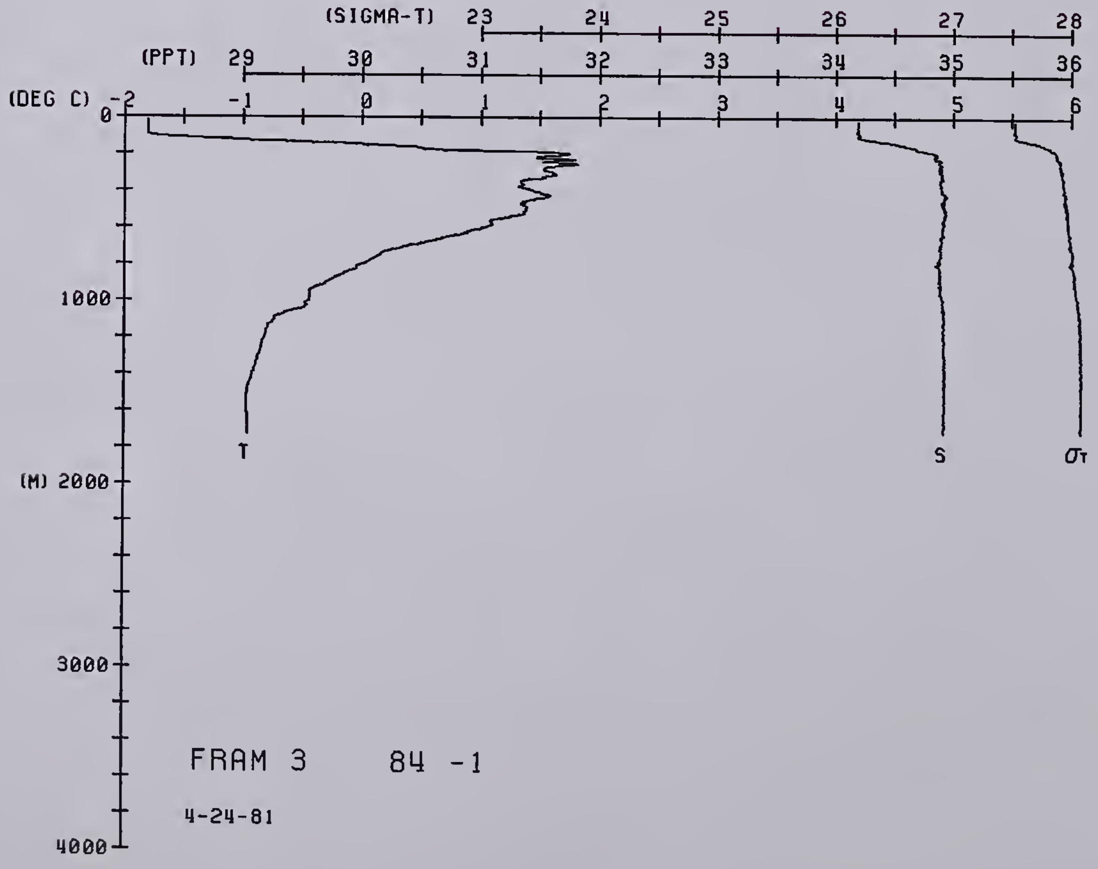
FRAM 3 84 -1
4-24-81
T
S
σT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4000
T
S
σT
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4-24-81

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AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.64  -1.64   34.01   27.37    69.8   0.000  1440.3
   4.0  -1.64  -1.65   34.01   27.37    69.8   0.003  1440.3
   5.0  -1.65  -1.65   34.01   27.37    69.5   0.004  1440.3
  10.0  -1.67  -1.67   34.03   27.39    68.0   0.007  1440.4
  15.0  -1.68  -1.68   34.05   27.40    66.5   0.010  1440.4
  20.0  -1.70  -1.70   34.07   27.42    64.7   0.014  1440.4
  25.0  -1.72  -1.72   34.09   27.44    63.2   0.017  1440.5
  30.0  -1.73  -1.73   34.11   27.45    61.7   0.020  1440.5
  35.0  -1.75  -1.75   34.13   27.47    60.0   0.023  1440.5
  40.0  -1.76  -1.77   34.15   27.48    58.6   0.026  1440.6
  45.0  -1.78  -1.79   34.17   27.51    56.4   0.029  1440.6
  50.0  -1.79  -1.80   34.18   27.51    55.8   0.032  1440.6
  55.0  -1.80  -1.80   34.18   27.51    55.7   0.035  1440.7
  60.0  -1.81  -1.81   34.19   27.52    54.7   0.038  1440.7
  65.0  -1.80  -1.81   34.18   27.51    55.8   0.040  1440.8
  70.0  -1.80  -1.81   34.18   27.52    55.2   0.043  1440.9
  75.0  -1.80  -1.80   34.19   27.52    54.7   0.046  1441.0
  80.0  -1.79  -1.80   34.19   27.53    54.5   0.049  1441.1
  85.0  -1.78  -1.78   34.18   27.52    55.2   0.051  1441.3
  90.0  -1.73  -1.73   34.18   27.51    55.9   0.054  1441.6
  95.0  -1.61  -1.62   34.21   27.53    53.8   0.057  1442.3
 100.0  -1.49  -1.49   34.25   27.56    51.1   0.060  1443.0
 110.0  -1.27  -1.27   34.29   27.59    48.3   0.065  1444.3
 120.0  -1.11  -1.12   34.35   27.63    44.8   0.069  1445.2
 130.0  -0.91  -0.91   34.39   27.65    42.3   0.074  1446.4
 140.0  -0.61  -0.62   34.48   27.72    36.6   0.078  1448.1
 150.0  -0.39  -0.39   34.53   27.74    34.1   0.081  1449.3
 160.0   0.37   0.36   34.67   27.82    27.0   0.084  1453.2
 170.0   0.92   0.91   34.76   27.86    24.0   0.087  1455.9
 180.0   1.36   1.35   34.82   27.88    22.4   0.089  1458.2
 190.0   1.45   1.44   34.83   27.87    22.6   0.092  1458.7
 200.0   1.55   1.54   34.85   27.89    21.7   0.094  1459.4
 210.0   1.62   1.61   34.86   27.89    21.4   0.096  1459.9
 220.0   1.63   1.62   34.87   27.89    21.0   0.098  1460.1
 230.0   1.72   1.70   34.88   27.90    20.7   0.100  1460.6
 240.0   1.75   1.73   34.89   27.90    20.2   0.102  1461.0
 250.0   1.87   1.85   34.90   27.90    20.4   0.104  1461.7
 260.0   1.93   1.92   34.91   27.91    20.3   0.107  1462.1
 270.0   1.86   1.84   34.92   27.92    18.9   0.109  1462.0
 280.0   1.87   1.85   34.92   27.92    19.1   0.110  1462.2
 290.0   1.89   1.87   34.93   27.92    18.7   0.112  1462.5
 300.0   1.85   1.83   34.92   27.92    18.9   0.114  1462.4
 310.0   1.87   1.86   34.93   27.93    18.4   0.116  1462.7
 320.0   1.87   1.85   34.94   27.94    17.4   0.118  1462.9
 330.0   1.77   1.75   34.93   27.94    17.6   0.120  1462.6
 340.0   1.74   1.72   34.93   27.93    17.9   0.122  1462.6
 350.0   1.66   1.64   34.93   27.94    17.3   0.123  1462.5
 360.0   1.57   1.55   34.92   27.94    17.1   0.125  1462.2
 370.0   1.47   1.45   34.91   27.94    17.0   0.127  1461.9
 380.0   1.50   1.48   34.93   27.95    16.1   0.128  1462.3
 390.0   1.63   1.61   34.96   27.97    14.5   0.130  1463.0
 400.0   1.67   1.65   34.95   27.96    15.9   0.132  1463.4
 410.0   1.68   1.66   34.94   27.95    16.8   0.133  1463.6
 420.0   1.68   1.66   34.94   27.95    16.8   0.135  1463.7
 430.0   1.65   1.63   34.93   27.94    17.7   0.137  1463.8
 440.0   1.69   1.66   34.95   27.96    16.1   0.138  1464.1
 450.0   1.66   1.63   34.94   27.95    16.3   0.140  1464.1
 460.0   1.61   1.59   34.94   27.95    16.5   0.142  1464.1
 470.0   1.54   1.52   34.95   27.96    15.3   0.143  1464.0
 480.0   1.54   1.52   34.95   27.97    14.9   0.145  1464.1
 489.1   1.54   1.51   34.95   27.97    15.1   0.146  1464.3
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LAT = 82.2430N LNG =   6.0677E LTER =     30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.82  -1.82   34.20   27.53    54.1   0.000  1439.7
   4.0  -1.82  -1.82   34.20   27.53    54.1   0.002  1439.8
   5.0  -1.82  -1.82   34.20   27.53    54.2   0.003  1439.8
  10.0  -1.82  -1.82   34.21   27.54    53.7   0.005  1439.9
  15.0  -1.82  -1.82   34.21   27.54    53.4   0.008  1440.0
  20.0  -1.82  -1.82   34.21   27.54    53.7   0.011  1440.1
  25.0  -1.82  -1.82   34.20   27.53    53.9   0.014  1440.2
  30.0  -1.82  -1.82   34.20   27.53    54.0   0.016  1440.2
  35.0  -1.82  -1.82   34.22   27.54    52.9   0.019  1440.3
  40.0  -1.82  -1.82   34.22   27.54    53.0   0.022  1440.4
  45.0  -1.82  -1.82   34.21   27.54    53.2   0.024  1440.5
  50.0  -1.82  -1.82   34.21   27.54    53.5   0.027  1440.6
  55.0  -1.81  -1.81   34.20   27.53    53.9   0.030  1440.7
  60.0  -1.81  -1.81   34.21   27.54    53.6   0.033  1440.8
  65.0  -1.81  -1.81   34.21   27.54    53.5   0.035  1440.8
  70.0  -1.80  -1.80   34.19   27.52    54.6   0.038  1441.0
  75.0  -1.77  -1.77   34.18   27.52    55.3   0.041  1441.2
  80.0  -1.72  -1.72   34.18   27.51    55.5   0.044  1441.5
  85.0  -1.70  -1.70   34.18   27.51    55.9   0.046  1441.7
  90.0  -1.63  -1.63   34.18   27.51    56.3   0.049  1442.1
  95.0  -1.52  -1.52   34.19   27.51    55.6   0.052  1442.7
 100.0  -1.40  -1.41   34.20   27.52    54.8   0.055  1443.3
 110.0  -1.25  -1.25   34.28   27.58    49.2   0.060  1444.3
 120.0  -1.10  -1.10   34.34   27.62    45.6   0.065  1445.3
 130.0  -0.87  -0.88   34.38   27.64    43.4   0.069  1446.6
 140.0  -0.60  -0.61   34.48   27.72    36.6   0.073  1448.1
 150.0  -0.35  -0.35   34.51   27.72    35.8   0.077  1449.5
 160.0   0.41   0.40   34.64   27.79    30.1   0.080  1453.3
 170.0   0.98   0.97   34.70   27.80    29.2   0.083  1456.1
 180.0   1.36   1.35   34.77   27.83    26.4   0.086  1458.1
 190.0   1.44   1.43   34.84   27.89    21.2   0.089  1458.7
 200.0   1.57   1.56   34.83   27.87    23.0   0.091  1459.4
 210.0   1.62   1.61   34.86   27.89    21.5   0.093  1459.9
 220.0   1.65   1.64   34.85   27.88    22.5   0.095  1460.2
 230.0   1.73   1.72   34.85   27.87    23.2   0.098  1460.7
 240.0   1.79   1.78   34.87   27.88    22.1   0.100  1461.1
 250.0   1.86   1.85   34.91   27.91    19.9   0.102  1461.7
 260.0   1.90   1.89   34.94   27.93    17.7   0.104  1462.0
 270.0   1.86   1.85   34.92   27.92    19.1   0.106  1462.0
 280.0   1.86   1.85   34.94   27.93    17.8   0.108  1462.2
 290.0   1.88   1.87   34.93   27.92    18.7   0.110  1462.4
 300.0   1.84   1.82   34.94   27.93    17.6   0.111  1462.4
 310.0   1.84   1.82   34.95   27.94    16.8   0.113  1462.6
 320.0   1.86   1.84   34.94   27.94    17.4   0.115  1462.9
 330.0   1.78   1.76   34.96   27.96    15.6   0.117  1462.7
 340.0   1.73   1.71   34.95   27.95    16.2   0.118  1462.6
 350.0   1.65   1.64   34.95   27.96    15.1   0.120  1462.5
 360.0   1.56   1.54   34.95   27.97    14.6   0.121  1462.2
 370.0   1.46   1.44   34.94   27.96    15.1   0.123  1461.9
 380.0   1.49   1.47   34.91   27.94    17.2   0.124  1462.2
 390.0   1.64   1.62   34.95   27.96    15.4   0.126  1463.1
 400.0   1.67   1.65   34.96   27.96    15.2   0.128  1463.4
 410.0   1.68   1.66   34.97   27.97    14.6   0.129  1463.6
 420.0   1.68   1.66   34.97   27.97    14.8   0.131  1463.8
 430.0   1.65   1.63   34.96   27.97    14.8   0.132  1463.8
 440.0   1.68   1.66   34.96   27.97    15.0   0.134  1464.1
 450.0   1.65   1.63   34.97   27.98    14.0   0.135  1464.2
 460.0   1.60   1.58   34.97   27.98    13.9   0.136  1464.1
 470.0   1.54   1.51   34.97   27.98    13.5   0.138  1464.0
 480.0   1.54   1.51   34.96   27.98    14.1   0.139  1464.1
 488.1   1.53   1.51   34.96   27.98    14.1   0.140  1464.3
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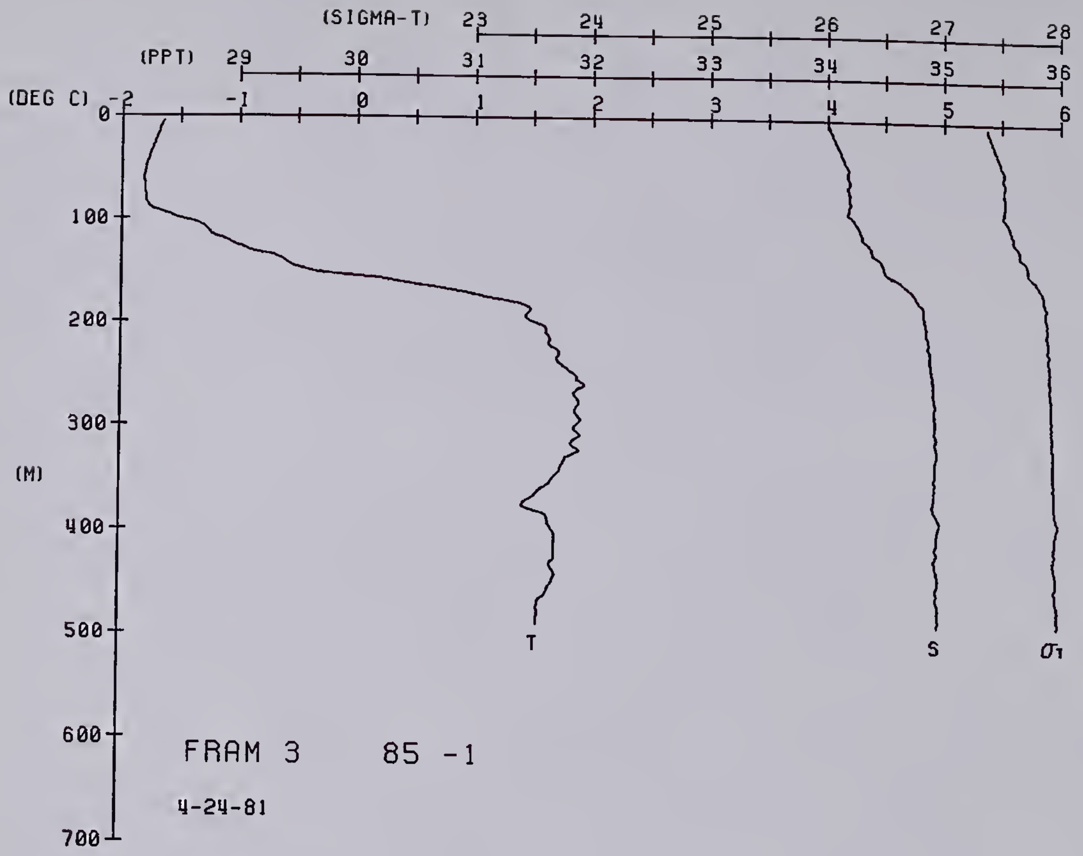
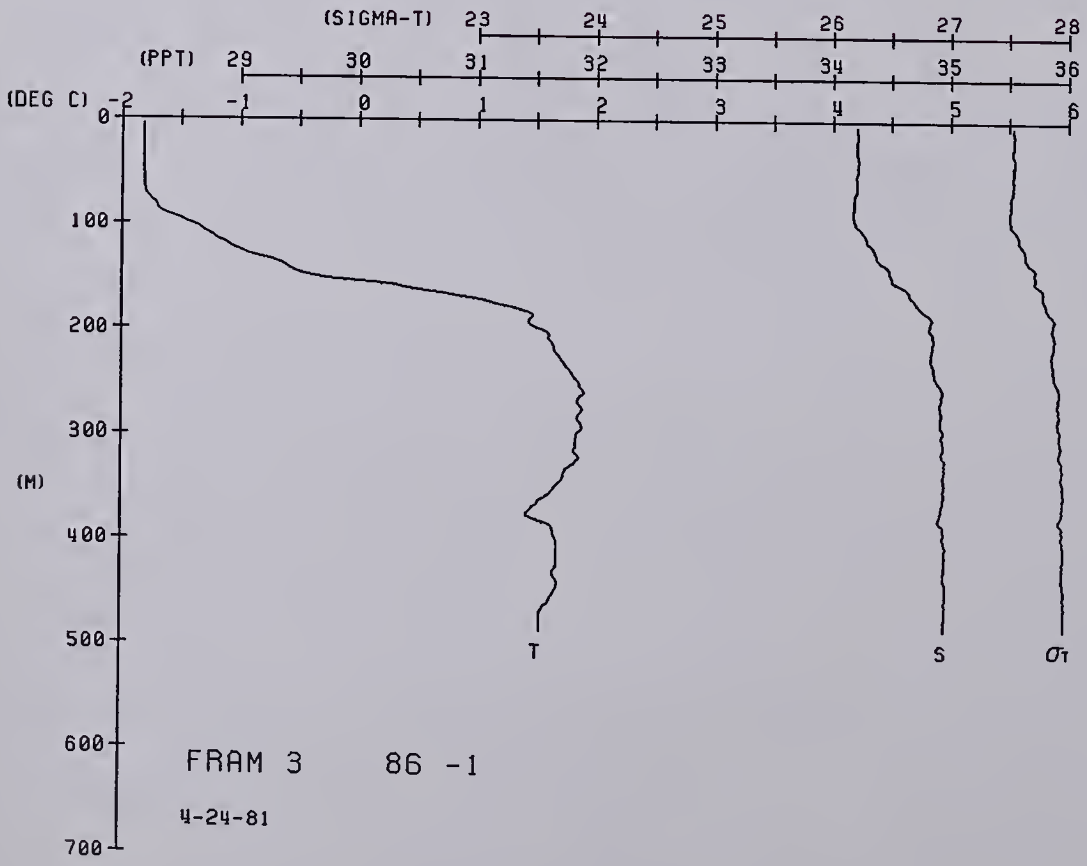


FRAM 3 85 -1

4-24-81



FRAM 3 86 -1

4-24-81

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                         LAT = 82.2268N LNG =   6.0312E LTER =     30. LGER =    30.
                         AIR TEMP =    0.0 BAROM =    0.0 WIND =    0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.79  -1.79   34.16   27.50    57.8   0.000  1439.8
   5.0  -1.79  -1.79   34.16   27.50    57.7   0.003  1439.9
   5.9  -1.79  -1.79   34.16   27.50    57.7   0.003  1439.9
  10.0  -1.78  -1.79   34.15   27.49    58.3   0.006  1440.0
  15.0  -1.78  -1.78   34.14   27.48    58.9   0.009  1440.1
  20.0  -1.78  -1.78   34.14   27.48    59.0   0.012  1440.1
  25.0  -1.78  -1.79   34.15   27.49    58.6   0.015  1440.2
  30.0  -1.78  -1.79   34.14   27.48    58.6   0.018  1440.3
  35.0  -1.80  -1.80   34.14   27.48    58.7   0.021  1440.3
  40.0  -1.79  -1.79   34.14   27.48    58.9   0.024  1440.4
  45.0  -1.78  -1.79   34.14   27.48    59.1   0.027  1440.5
  50.0  -1.78  -1.79   34.15   27.49    58.2   0.030  1440.6
  55.0  -1.80  -1.80   34.16   27.50    57.2   0.033  1440.7
  60.0  -1.80  -1.80   34.17   27.50    56.7   0.035  1440.7
  65.0  -1.79  -1.80   34.16   27.50    57.0   0.038  1440.8
  70.0  -1.79  -1.79   34.16   27.49    57.4   0.041  1440.9
  75.0  -1.78  -1.79   34.15   27.49    57.8   0.044  1441.0
  80.0  -1.80  -1.80   34.18   27.52    55.2   0.047  1441.1
  85.0  -1.80  -1.81   34.20   27.53    54.0   0.050  1441.2
  90.0  -1.80  -1.80   34.19   27.52    55.0   0.052  1441.3
  95.0  -1.78  -1.78   34.20   27.53    53.8   0.055  1441.5
 100.0  -1.75  -1.75   34.20   27.53    53.6   0.058  1441.7
 110.0  -1.40  -1.40   34.28   27.58    49.1   0.063  1443.6
 120.0  -0.83  -0.83   34.42   27.67    40.7   0.068  1446.7
 130.0  -0.41  -0.42   34.47   27.70    38.3   0.072  1448.8
 140.0   0.26   0.25   34.60   27.77    32.0   0.075  1452.2
 150.0   1.29   1.29   34.79   27.86    24.0   0.078  1457.3
 160.0   1.79   1.78   34.85   27.87    23.1   0.080  1459.8
 170.0   1.88   1.87   34.88   27.88    21.9   0.083  1460.4
 180.0   2.10   2.09   34.90   27.89    21.7   0.085  1461.6
 190.0   2.04   2.03   34.90   27.89    21.7   0.087  1461.4
 200.0   1.97   1.95   34.92   27.91    19.9   0.089  1461.3
 210.0   2.08   2.07   34.93   27.91    19.7   0.091  1462.0
 220.0   2.12   2.11   34.94   27.91    19.7   0.093  1462.3
 230.0   2.05   2.04   34.93   27.91    19.6   0.095  1462.2
 240.0   2.01   1.99   34.93   27.91    19.4   0.097  1462.2
 250.0   1.98   1.97   34.93   27.92    19.0   0.099  1462.2
 260.0   2.02   2.01   34.94   27.92    19.1   0.101  1462.6
 270.0   2.06   2.04   34.94   27.92    18.8   0.103  1462.9
 280.0   2.05   2.03   34.95   27.93    18.6   0.105  1463.0
 290.0   2.05   2.04   34.96   27.93    17.8   0.107  1463.2
 300.0   2.07   2.06   34.95   27.93    18.6   0.109  1463.5
 310.0   2.06   2.04   34.94   27.92    19.0   0.110  1463.6
 320.0   2.04   2.02   34.96   27.94    17.8   0.112  1463.7
 330.0   2.04   2.02   34.95   27.93    18.4   0.114  1463.8
 340.0   1.96   1.94   34.95   27.93    18.1   0.116  1463.6
 350.0   1.90   1.89   34.95   27.94    17.4   0.118  1463.6
 360.0   1.93   1.91   34.95   27.94    17.7   0.120  1463.8
 370.0   1.78   1.76   34.94   27.94    17.4   0.121  1463.4
 380.0   1.79   1.77   34.95   27.95    16.9   0.123  1463.6
 390.0   1.83   1.81   34.95   27.95    17.0   0.125  1463.9
 400.0   1.80   1.77   34.96   27.95    16.3   0.126  1463.9
 410.0   1.76   1.74   34.95   27.95    16.5   0.128  1463.9
 420.0   1.73   1.71   34.95   27.95    16.7   0.130  1464.0
 430.0   1.72   1.69   34.94   27.95    17.0   0.131  1464.1
 440.0   1.69   1.67   34.94   27.95    17.1   0.133  1464.1
 450.0   1.65   1.62   34.94   27.95    16.3   0.135  1464.1
 460.0   1.62   1.60   34.94   27.95    16.3   0.137  1464.1
 470.0   1.57   1.55   34.94   27.96    15.7   0.138  1464.1
 480.0   1.53   1.50   34.94   27.96    15.8   0.140  1464.1
 490.0   1.47   1.44   34.93   27.96    15.8   0.141  1463.9
 500.0   1.40   1.37   34.93   27.96    15.5   0.143  1463.8
 530.0   1.23   1.21   34.92   27.97    14.9   0.148  1463.6
 560.0   1.13   1.10   34.92   27.97    14.4   0.152  1463.6
 590.0   1.06   1.03   34.91   27.97    14.4   0.156  1463.8
 620.0   0.89   0.86   34.91   27.98    13.5   0.161  1463.5
 650.0   0.76   0.73   34.90   27.98    12.9   0.165  1463.4
 680.0   0.47   0.44   34.90   28.00    10.8   0.168  1462.6

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0   0.32   0.28   34.90   28.01     9.7   0.171  1462.4
 740.0   0.22   0.19   34.89   28.01     9.8   0.174  1462.5
 790.0  -0.04  -0.07   34.89   28.02     8.1   0.179  1462.1
 840.0  -0.27  -0.30   34.90   28.04     5.9   0.182  1461.9
 890.0  -0.43  -0.46   34.89   28.04     5.0   0.185  1462.0
 940.0  -0.47  -0.51   34.89   28.04     4.5   0.188  1462.7
 990.0  -0.61  -0.65   34.89   28.05     3.7   0.190  1462.9
1040.0  -0.72  -0.76   34.89   28.06     2.6   0.191  1463.2
1090.0  -0.77  -0.82   34.89   28.06     2.4   0.193  1463.8
1140.0  -0.80  -0.84   34.90   28.06     1.6   0.194  1464.6
1190.0  -0.86  -0.91   34.90   28.07     0.6   0.194  1465.1
1240.0  -0.93  -0.98   34.90   28.07     0.2   0.194  1465.6
1290.0  -0.94  -1.00   34.91   28.08    -0.8   0.194  1466.4
1340.0  -0.95  -1.01   34.91   28.08    -1.1   0.194  1467.2
1390.0  -0.96  -1.02   34.91   28.08    -1.4   0.193  1468.0
1440.0  -0.96  -1.03   34.92   28.09    -1.9   0.192  1468.9
1443.3  -0.96  -1.03   34.92   28.09    -2.0   0.192  1468.9
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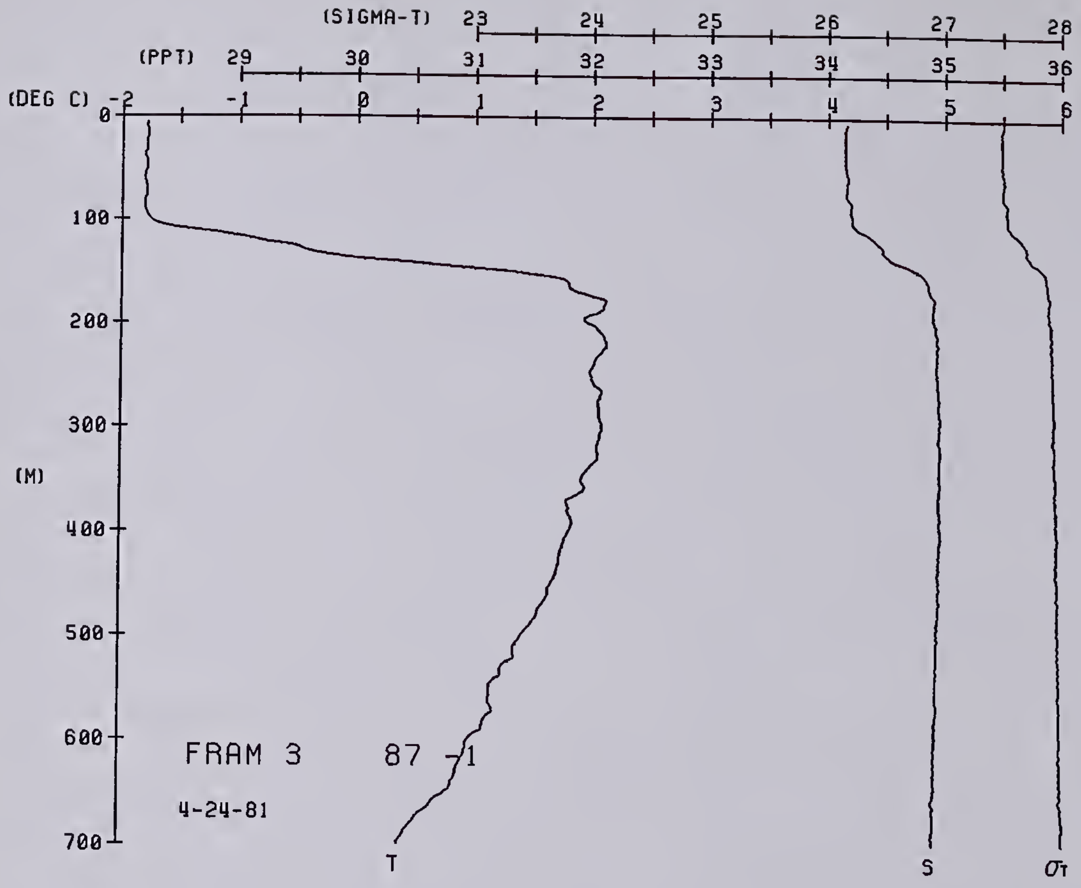
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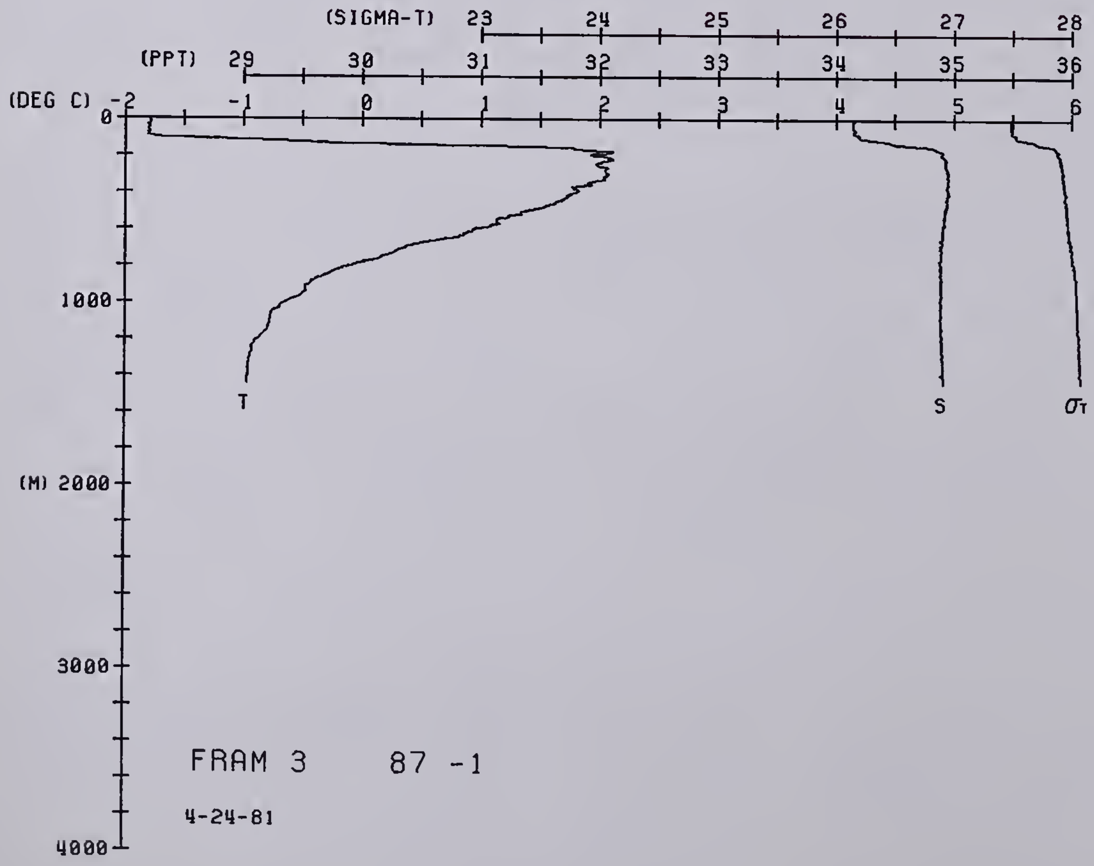
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0
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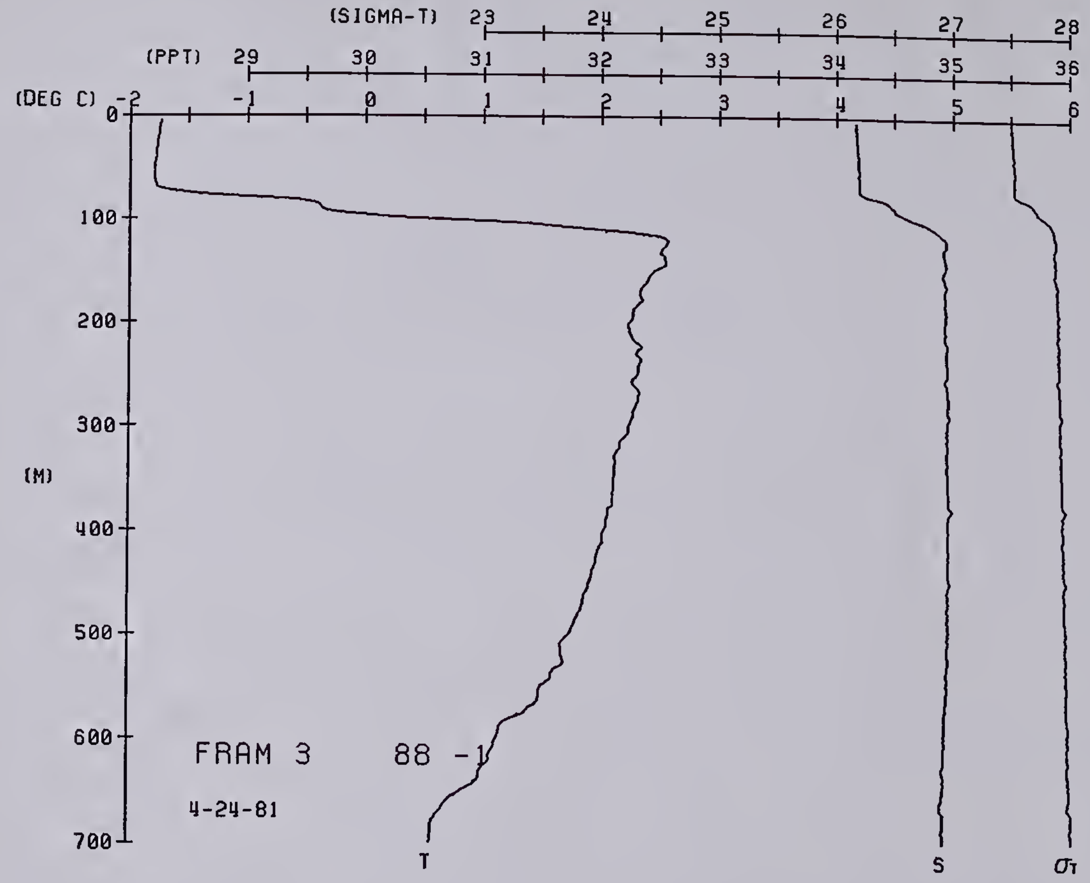
(M) 2000
3000
4000
FRAM 3 87 -1
4-24-81
T
S
σT

FRAM 3 STATION 88(1) CTD 24/APR/1981 2302 GMT CODE = 5
LAT = 82.1845N LNG =   5.8833E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	34.17	27.50	57.1	0.000	1440.1
4.0	-1.74	-1.74	34.17	27.50	57.0	0.002	1440.1
5.0	-1.74	-1.74	34.17	27.50	57.1	0.003	1440.1
10.0	-1.74	-1.74	34.17	27.50	56.9	0.006	1440.2
15.0	-1.75	-1.75	34.17	27.51	56.7	0.009	1440.3
20.0	-1.75	-1.76	34.18	27.51	56.1	0.012	1440.3
25.0	-1.76	-1.76	34.18	27.51	55.9	0.014	1440.4
30.0	-1.76	-1.77	34.18	27.52	55.7	0.017	1440.4
35.0	-1.77	-1.77	34.18	27.52	55.5	0.020	1440.5
40.0	-1.77	-1.78	34.19	27.52	55.3	0.023	1440.6
45.0	-1.78	-1.78	34.19	27.52	54.9	0.026	1440.6
50.0	-1.79	-1.79	34.20	27.53	54.4	0.028	1440.7
55.0	-1.79	-1.79	34.19	27.53	54.6	0.031	1440.8
60.0	-1.79	-1.79	34.20	27.53	54.5	0.034	1440.8
65.0	-1.78	-1.78	34.20	27.53	54.4	0.037	1441.0
70.0	-1.75	-1.75	34.20	27.53	54.5	0.039	1441.2
75.0	-1.51	-1.51	34.23	27.55	52.3	0.042	1442.5
80.0	-0.86	-0.86	34.39	27.65	42.8	0.044	1445.8
85.0	-0.40	-0.40	34.47	27.70	38.5	0.046	1448.1
90.0	-0.36	-0.36	34.50	27.72	36.1	0.048	1448.5
95.0	-0.14	-0.14	34.58	27.78	31.2	0.050	1449.7
100.0	0.65	0.65	34.70	27.83	26.3	0.052	1453.5
110.0	2.01	2.00	34.87	27.86	23.6	0.054	1459.9
120.0	2.57	2.56	34.94	27.88	22.4	0.056	1462.6
130.0	2.51	2.50	34.92	27.86	23.8	0.059	1462.5
140.0	2.55	2.54	34.94	27.88	22.7	0.061	1462.9
150.0	2.44	2.43	34.92	27.87	23.4	0.063	1462.6
160.0	2.38	2.37	34.94	27.89	21.5	0.066	1462.5
170.0	2.33	2.32	34.93	27.89	21.7	0.068	1462.4
180.0	2.33	2.32	34.93	27.89	21.5	0.070	1462.6
190.0	2.28	2.26	34.93	27.89	21.1	0.072	1462.5
200.0	2.23	2.22	34.93	27.89	21.2	0.074	1462.5
210.0	2.25	2.24	34.93	27.90	21.2	0.076	1462.7
220.0	2.32	2.31	34.95	27.90	20.5	0.079	1463.2
230.0	2.30	2.29	34.94	27.90	20.8	0.081	1463.3
240.0	2.32	2.31	34.95	27.91	20.4	0.083	1463.6
250.0	2.30	2.29	34.94	27.90	20.9	0.085	1463.6
260.0	2.28	2.26	34.95	27.90	20.6	0.087	1463.7
270.0	2.31	2.29	34.96	27.91	19.8	0.089	1464.0
280.0	2.29	2.27	34.95	27.91	20.4	0.091	1464.1
290.0	2.26	2.25	34.97	27.92	18.9	0.093	1464.2
300.0	2.23	2.21	34.95	27.91	20.0	0.095	1464.2
310.0	2.19	2.17	34.95	27.91	20.1	0.097	1464.1
320.0	2.15	2.13	34.95	27.92	19.2	0.099	1464.2
330.0	2.12	2.10	34.95	27.92	19.4	0.101	1464.2
340.0	2.11	2.09	34.94	27.92	19.6	0.103	1464.3
350.0	2.11	2.08	34.95	27.92	19.0	0.105	1464.5
360.0	2.11	2.08	34.95	27.92	19.2	0.107	1464.6
370.0	2.10	2.08	34.95	27.93	19.0	0.109	1464.8
380.0	2.06	2.03	34.98	27.96	16.3	0.111	1464.8
390.0	2.05	2.02	34.95	27.93	18.9	0.112	1464.8
400.0	2.02	2.00	34.95	27.93	18.4	0.114	1464.9
410.0	2.01	1.99	34.95	27.93	18.8	0.116	1465.0
420.0	1.97	1.95	34.95	27.94	18.1	0.118	1465.0
430.0	1.95	1.93	34.95	27.93	18.4	0.120	1465.1
440.0	1.92	1.90	34.95	27.94	18.3	0.122	1465.1
450.0	1.89	1.87	34.97	27.95	16.7	0.123	1465.2
460.0	1.86	1.84	34.95	27.94	17.9	0.125	1465.2
470.0	1.84	1.82	34.95	27.95	17.4	0.127	1465.3
480.0	1.81	1.78	34.95	27.94	17.6	0.129	1465.3
490.0	1.77	1.74	34.95	27.95	17.2	0.130	1465.3
500.0	1.72	1.69	34.95	27.95	16.7	0.132	1465.2
530.0	1.64	1.61	34.94	27.95	16.7	0.137	1465.4
560.0	1.47	1.44	34.93	27.96	16.2	0.142	1465.1
590.0	1.14	1.11	34.92	27.97	14.5	0.147	1464.1
620.0	1.05	1.02	34.91	27.97	14.4	0.151	1464.2
650.0	0.81	0.78	34.90	27.98	13.4	0.156	1463.6
680.0	0.57	0.54	34.90	27.99	11.5	0.159	1463.1

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
710.0	0.50	0.47	34.90	28.00	11.0	0.163	1463.2
740.0	0.31	0.27	34.90	28.01	9.7	0.166	1462.9
790.0	0.09	0.05	34.90	28.02	8.3	0.170	1462.7
840.0	-0.23	-0.27	34.90	28.03	6.2	0.174	1462.1
890.0	-0.39	-0.42	34.89	28.04	5.3	0.177	1462.2
940.0	-0.56	-0.60	34.90	28.05	3.5	0.179	1462.2
990.0	-0.70	-0.74	34.90	28.06	2.7	0.181	1462.5
1040.0	-0.79	-0.83	34.90	28.06	1.6	0.182	1462.9
1090.0	-0.88	-0.92	34.91	28.07	0.4	0.182	1463.4
1140.0	-0.92	-0.96	34.91	28.08	-0.1	0.183	1464.0
1190.0	-0.95	-1.00	34.91	28.08	-0.8	0.182	1464.7
1240.0	-0.96	-1.01	34.91	28.08	-1.1	0.182	1465.5
1290.0	-0.96	-1.01	34.92	28.09	-1.6	0.181	1466.4
1290.0	-0.96	-1.01	34.92	28.09	-1.6	0.181	1466.4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(DEG C) -2 -1 0 1 2 3 4 5 6
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200
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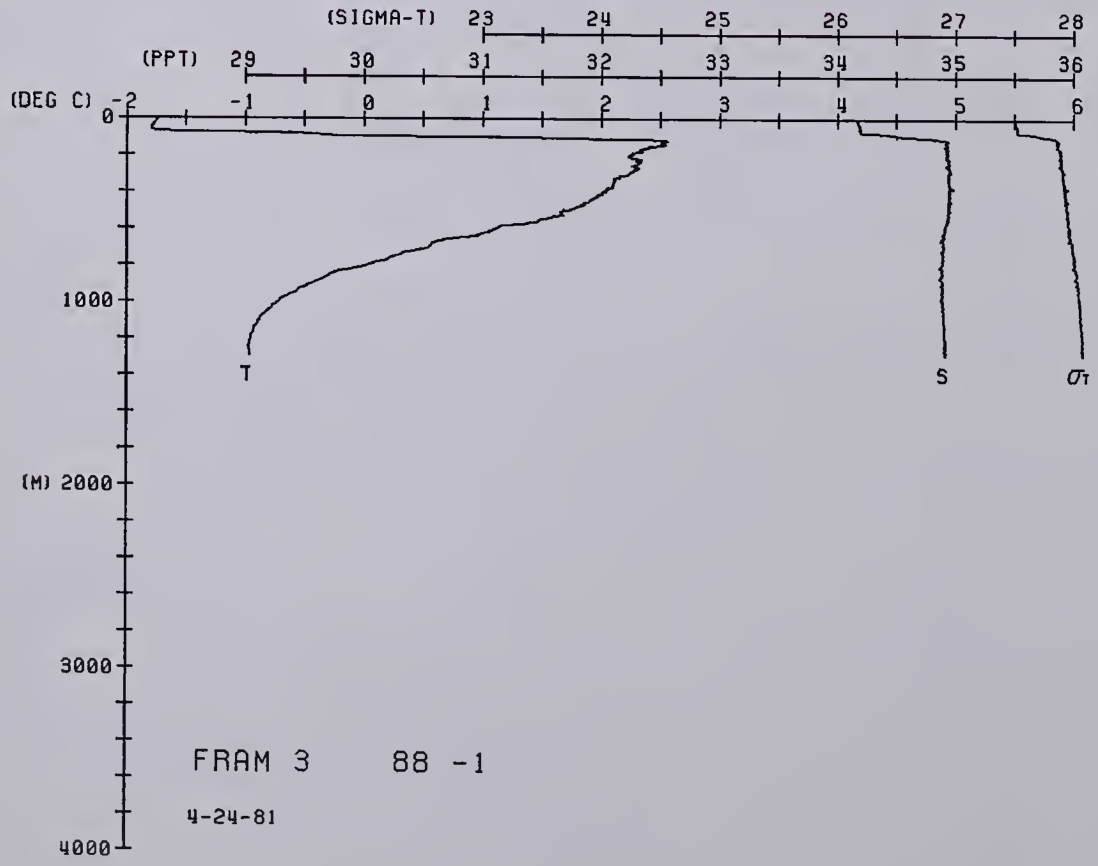
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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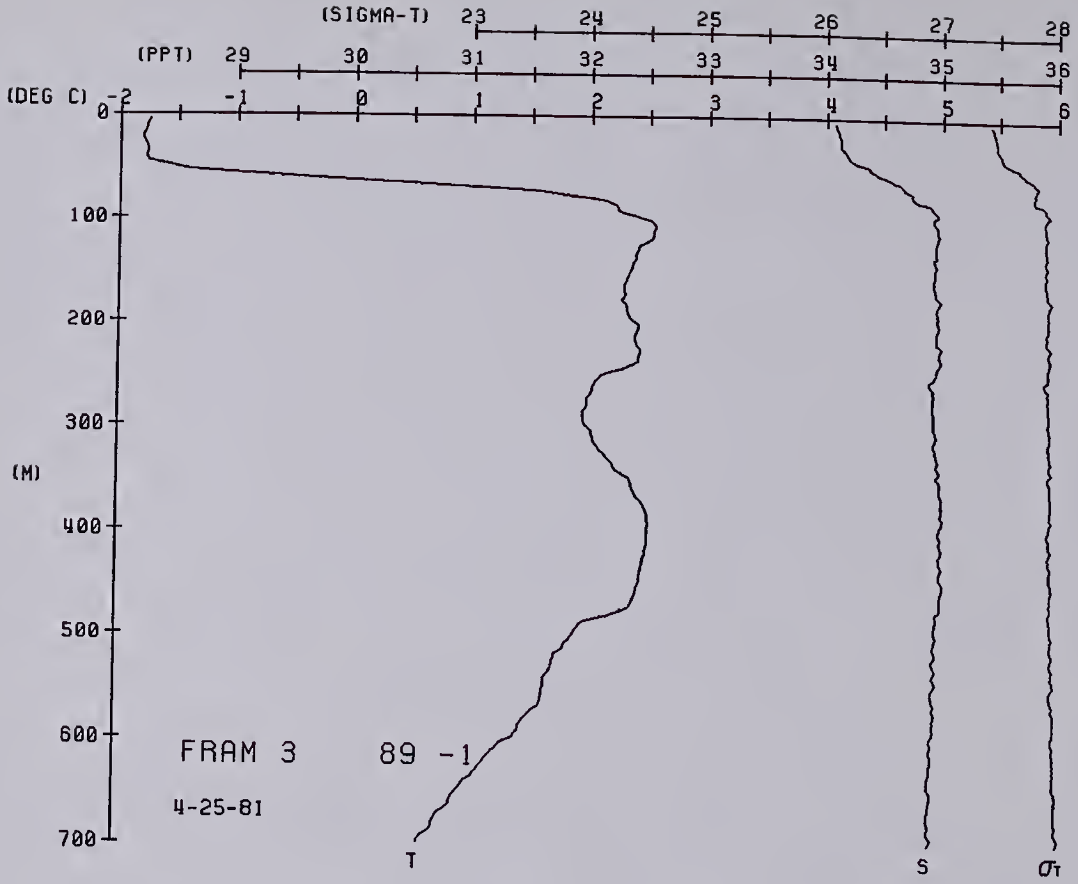
T
S
σT
(M) 2000
3000
FRAM 3 88 -1
4-24-81
4000

FRAM 3 STATION 89(1) CTD 25/APR/1981 839 GMT CODE = 5
LAT = 82.1498N LNG = 5.8805E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.75	-1.75	34.07	27.43	64.3	0.000	1439.9
4.0	-1.75	-1.75	34.07	27.43	64.3	0.003	1439.9
5.0	-1.75	-1.75	34.07	27.43	64.4	0.003	1440.0
10.0	-1.77	-1.77	34.09	27.44	62.7	0.006	1440.0
15.0	-1.78	-1.78	34.11	27.45	61.6	0.010	1440.0
20.0	-1.80	-1.80	34.12	27.47	60.3	0.013	1440.0
25.0	-1.79	-1.80	34.12	27.47	60.4	0.016	1440.1
30.0	-1.77	-1.77	34.14	27.48	58.7	0.019	1440.3
35.0	-1.76	-1.76	34.18	27.51	56.2	0.022	1440.5
40.0	-1.77	-1.77	34.21	27.54	53.8	0.024	1440.6
45.0	-1.74	-1.74	34.33	27.63	44.7	0.027	1441.0
50.0	-1.56	-1.56	34.38	27.67	40.7	0.029	1442.0
55.0	-1.24	-1.24	34.46	27.73	35.7	0.031	1443.7
60.0	-0.53	-0.54	34.57	27.79	30.0	0.033	1447.2
65.0	0.26	0.26	34.66	27.82	27.6	0.034	1451.1
70.0	1.19	1.19	34.70	27.79	29.8	0.036	1455.4
75.0	1.70	1.69	34.74	27.79	30.6	0.037	1457.8
80.0	2.03	2.03	34.79	27.80	28.9	0.039	1459.5
85.0	2.20	2.19	34.92	27.89	21.1	0.040	1460.4
90.0	2.23	2.22	34.95	27.92	18.5	0.041	1460.7
95.0	2.33	2.33	34.94	27.90	20.5	0.042	1461.2
100.0	2.49	2.49	34.94	27.88	22.0	0.043	1462.0
110.0	2.54	2.53	34.97	27.90	20.3	0.045	1462.4
120.0	2.51	2.50	34.94	27.89	21.7	0.047	1462.4
130.0	2.40	2.39	34.95	27.90	20.6	0.049	1462.1
140.0	2.37	2.36	34.95	27.90	20.6	0.051	1462.1
150.0	2.33	2.32	34.94	27.89	21.1	0.054	1462.1
160.0	2.29	2.28	34.93	27.89	21.1	0.056	1462.1
170.0	2.29	2.28	34.94	27.90	20.2	0.058	1462.3
180.0	2.29	2.27	34.97	27.92	18.4	0.060	1462.4
190.0	2.32	2.31	34.96	27.91	19.4	0.062	1462.8
200.0	2.40	2.39	34.97	27.92	19.2	0.064	1463.3
210.0	2.38	2.37	34.95	27.90	20.6	0.066	1463.3
220.0	2.39	2.38	34.99	27.93	17.7	0.068	1463.6
230.0	2.42	2.40	34.98	27.92	19.0	0.069	1463.9
240.0	2.36	2.35	34.96	27.91	19.9	0.071	1463.8
250.0	2.09	2.08	34.93	27.91	20.1	0.073	1462.7
260.0	2.03	2.01	34.92	27.91	20.2	0.075	1462.6
270.0	1.98	1.97	34.92	27.91	20.0	0.077	1462.6
280.0	1.97	1.95	34.92	27.91	19.9	0.079	1462.7
290.0	1.94	1.92	34.93	27.92	19.2	0.081	1462.7
300.0	1.98	1.97	34.93	27.92	19.4	0.083	1463.1
310.0	2.03	2.01	34.94	27.92	18.9	0.085	1463.4
320.0	2.08	2.06	34.94	27.92	19.7	0.087	1463.8
330.0	2.16	2.14	34.96	27.93	18.6	0.089	1464.4
340.0	2.21	2.19	34.98	27.94	17.9	0.091	1464.8
350.0	2.34	2.32	34.98	27.92	19.3	0.093	1465.5
360.0	2.37	2.35	34.98	27.93	19.3	0.095	1465.8
370.0	2.43	2.41	35.00	27.94	18.5	0.097	1466.3
380.0	2.48	2.46	34.99	27.93	19.4	0.099	1466.7
390.0	2.50	2.47	35.00	27.93	18.9	0.101	1466.9
400.0	2.49	2.47	34.97	27.91	21.4	0.103	1467.0
410.0	2.49	2.47	34.98	27.92	20.7	0.105	1467.2
420.0	2.48	2.45	34.99	27.92	20.3	0.107	1467.3
430.0	2.45	2.43	34.99	27.93	19.6	0.109	1467.4
440.0	2.43	2.41	34.98	27.92	20.1	0.111	1467.4
450.0	2.42	2.40	35.01	27.94	18.2	0.113	1467.6
460.0	2.40	2.37	34.99	27.93	19.2	0.115	1467.6
470.0	2.36	2.33	34.99	27.93	19.3	0.117	1467.6
480.0	2.19	2.16	34.95	27.92	20.4	0.119	1467.0
490.0	1.92	1.89	34.95	27.93	18.6	0.121	1466.0
500.0	1.86	1.84	34.96	27.95	17.4	0.123	1465.9
530.0	1.69	1.66	34.94	27.95	17.0	0.128	1465.6
560.0	1.61	1.58	34.93	27.94	17.7	0.133	1465.7
590.0	1.41	1.38	34.94	27.97	15.3	0.138	1465.4
620.0	1.13	1.10	34.91	27.97	14.8	0.143	1464.6
650.0	0.89	0.86	34.92	27.99	12.8	0.147	1464.0
680.0	0.71	0.67	34.90	27.98	12.7	0.151	1463.7
710.0	0.49	0.46	34.90	28.00	11.1	0.154	1463.2
740.0	0.16	0.13	34.90	28.02	8.7	0.157	1462.2
790.0	-0.12	-0.15	34.90	28.03	6.7	0.161	1461.8
840.0	-0.40	-0.43	34.90	28.04	4.9	0.164	1461.3
890.0	-0.55	-0.58	34.90	28.06	3.3	0.166	1461.5
940.0	-0.72	-0.76	34.89	28.05	2.9	0.168	1461.5
990.0	-0.86	-0.90	34.91	28.08	0.4	0.169	1461.7
1040.0	-0.91	-0.95	34.91	28.08	-0.1	0.169	1462.4
1090.0	-0.94	-0.99	34.92	28.08	-0.8	0.169	1463.0
1140.0	-0.96	-1.00	34.92	28.09	-1.4	0.168	1463.8
1182.8	-0.96	-1.01	34.93	28.09	-1.8	0.167	1464.6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FRAM 3 89 -1
4-25-81
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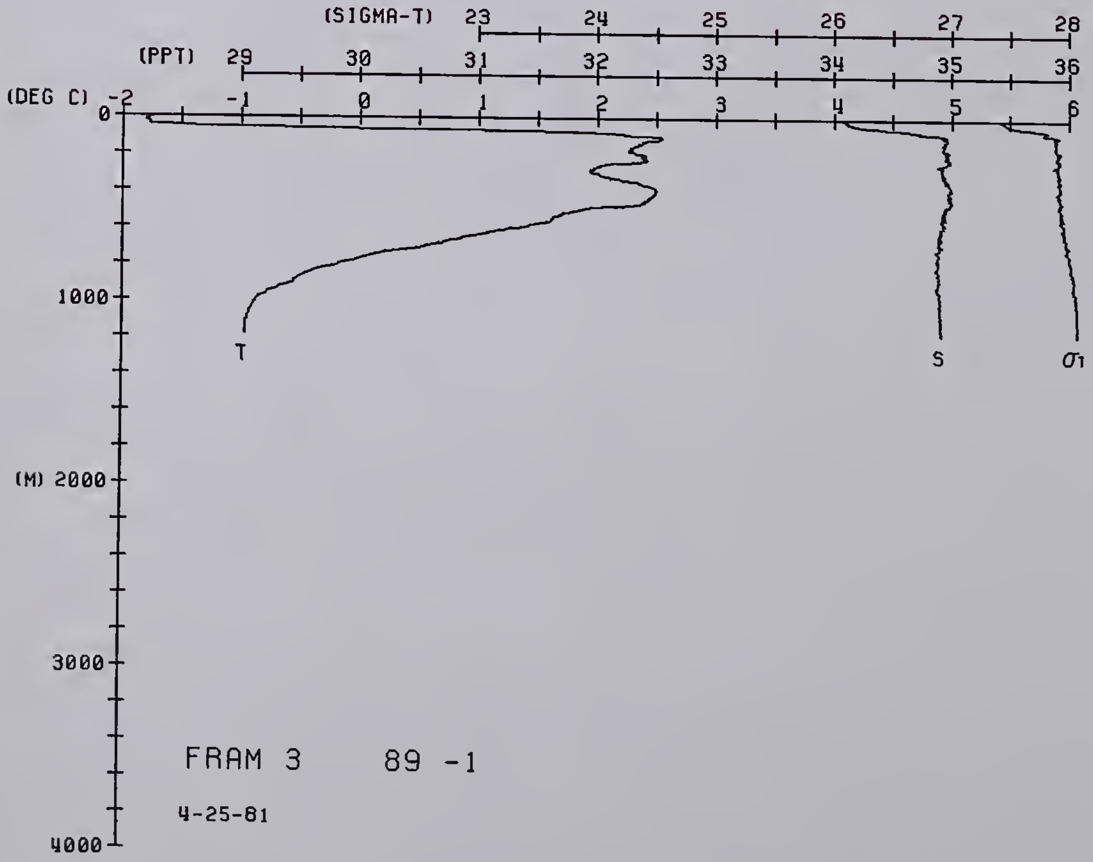
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(PPT) 29 30 31 32 33 34 35 36
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(M) 2000
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4-25-81
4000

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LAT = 81.7750N LNG =   5.9200E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   34.14   27.48    59.2   0.000   1439.4
   4.0   -1.86   -1.86   34.14   27.48    59.2   0.002   1439.5
   5.0   -1.86   -1.86   34.14   27.48    59.2   0.003   1439.5
  10.0   -1.87   -1.87   34.14   27.48    59.1   0.006   1439.6
  15.0   -1.87   -1.87   34.13   27.48    59.3   0.009   1439.6
  20.0   -1.87   -1.87   34.14   27.48    59.2   0.012   1439.7
  25.0   -1.86   -1.86   34.14   27.48    58.8   0.015   1439.8
  30.0   -1.86   -1.86   34.14   27.49    58.6   0.018   1439.9
  35.0   -1.86   -1.86   34.13   27.48    59.4   0.021   1440.0
  40.0   -1.86   -1.86   34.13   27.48    59.4   0.024   1440.1
  45.0   -1.86   -1.86   34.13   27.48    59.2   0.027   1440.2
  50.0   -1.86   -1.86   34.14   27.48    58.6   0.030   1440.3
  55.0   -1.86   -1.86   34.14   27.48    58.7   0.033   1440.4
  60.0   -1.85   -1.85   34.13   27.47    59.4   0.036   1440.5
  65.0   -1.85   -1.85   34.13   27.47    59.7   0.039   1440.5
  70.0   -1.84   -1.84   34.13   27.48    59.2   0.042   1440.7
  75.0   -1.70   -1.70   34.13   27.47    59.7   0.045   1441.4
  80.0   -1.37   -1.37   34.19   27.51    56.4   0.048   1443.1
  85.0   -1.07   -1.08   34.29   27.58    49.6   0.050   1444.8
  90.0   -0.89   -0.89   34.36   27.63    44.5   0.053   1445.8
  95.0   -0.71   -0.72   34.41   27.66    41.9   0.055   1446.8
 100.0   -0.40   -0.40   34.41   27.65    43.1   0.057   1448.3
 110.0    0.05    0.05   34.52   27.72    36.9   0.061   1450.7
 120.0    0.46    0.46   34.60   27.76    32.7   0.065   1452.8
 130.0    0.75    0.75   34.68   27.80    28.8   0.068   1454.4
 140.0    0.97    0.96   34.72   27.82    27.0   0.071   1455.6
 150.0    1.16    1.15   34.76   27.84    25.6   0.073   1456.7
 160.0    1.35    1.34   34.81   27.87    23.3   0.076   1457.8
 170.0    1.47    1.46   34.81   27.86    23.5   0.078   1458.5
 180.0    1.68    1.67   34.87   27.89    21.0   0.080   1459.7
 190.0    1.82    1.81   34.88   27.89    21.2   0.083   1460.5
 200.0    1.90    1.89   34.92   27.91    19.1   0.085   1461.0
 210.0    1.93    1.92   34.92   27.92    19.1   0.087   1461.3
 220.0    1.96    1.95   34.95   27.93    17.7   0.088   1461.7
 230.0    1.97    1.95   34.95   27.93    17.6   0.090   1461.8
 240.0    1.98    1.96   34.96   27.94    16.8   0.092   1462.1
 250.0    1.96    1.95   34.98   27.96    15.4   0.094   1462.2
 260.0    1.93    1.92   34.97   27.95    15.8   0.095   1462.2
 270.0    1.90    1.89   34.97   27.95    15.7   0.097   1462.2
 280.0    1.87    1.86   34.97   27.96    15.5   0.098   1462.3
 290.0    1.85    1.83   34.97   27.96    14.9   0.100   1462.3
 300.0    1.82    1.81   34.98   27.97    14.4   0.101   1462.4
 310.0    1.82    1.80   34.97   27.97    14.7   0.103   1462.5
 320.0    1.80    1.78   34.98   27.97    14.4   0.104   1462.7
 330.0    1.76    1.75   34.98   27.97    14.0   0.106   1462.7
 340.0    1.71    1.69   34.97   27.97    14.1   0.107   1462.6
 350.0    1.63    1.62   34.98   27.98    13.3   0.108   1462.4
 360.0    1.59    1.57   34.96   27.97    14.1   0.110   1462.4
 370.0    1.59    1.57   34.97   27.98    13.3   0.111   1462.5
 380.0    1.53    1.51   34.97   27.98    13.0   0.113   1462.5
 390.0    1.46    1.44   34.98   27.99    12.1   0.114   1462.3
 400.0    1.38    1.36   34.97   28.00    11.7   0.115   1462.1
 410.0    1.30    1.28   34.96   27.99    12.0   0.116   1461.9
 420.0    1.26    1.23   34.96   27.99    12.0   0.117   1461.9
 430.0    1.20    1.18   34.95   27.99    12.1   0.119   1461.8
 440.0    1.15    1.13   34.96   28.00    11.4   0.120   1461.7
 450.0    1.08    1.06   34.96   28.01    10.7   0.121   1461.6
 460.0    1.03    1.00   34.95   28.00    10.9   0.122   1461.5
 470.0    0.98    0.95   34.95   28.01    10.3   0.123   1461.5
 480.0    0.96    0.93   34.95   28.01    10.5   0.124   1461.5
 490.0    0.90    0.87   34.95   28.01     9.9   0.125   1461.4
 497.0    0.87    0.85   34.93   28.00    11.0   0.126   1461.4
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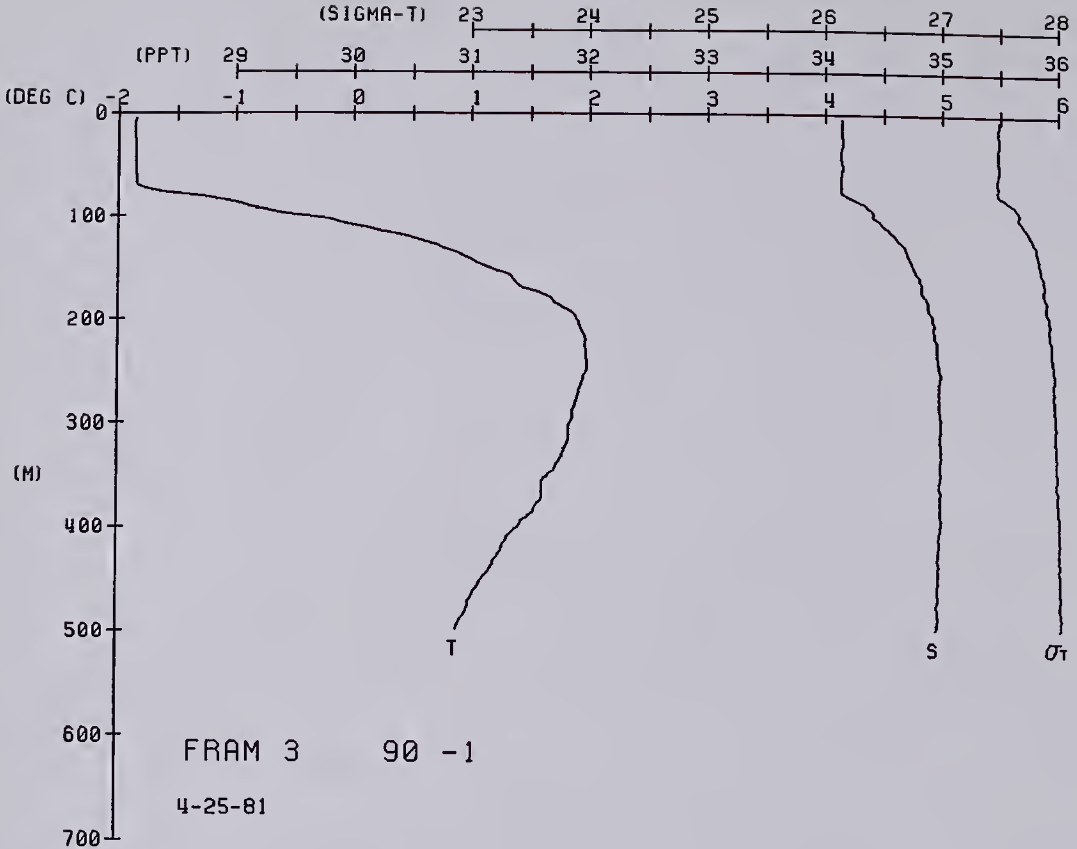
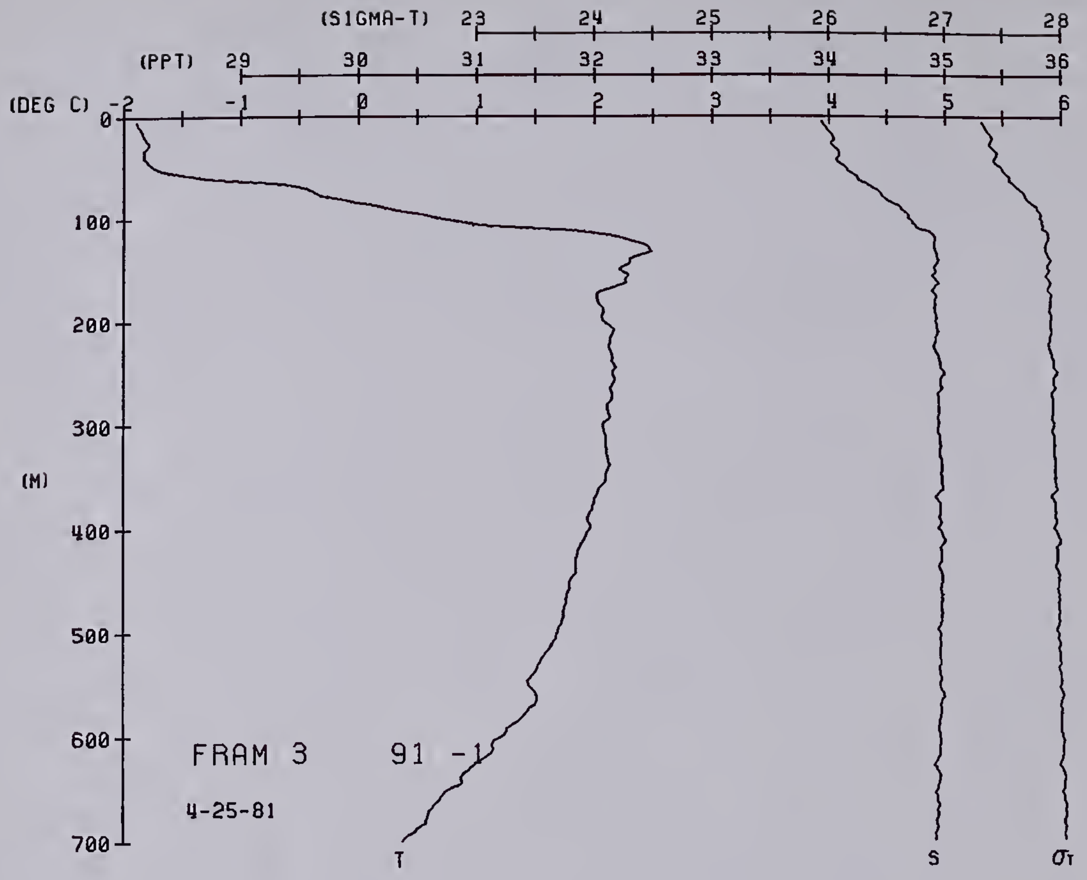


FRAM 3 90 -1

4-25-81

FRAM 3 STATION 91(1) CTD 25/APR/1981 1417 GMT CODE = 5
LAT = 82.1102N LNG =   5.7747E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.89	-1.89	33.93	27.31	74.9	0.000	1439.0
4.0	-1.89	-1.90	33.93	27.31	74.9	0.003	1439.0
5.0	-1.89	-1.89	33.94	27.32	74.4	0.004	1439.1
10.0	-1.86	-1.86	33.97	27.35	71.9	0.007	1439.3
15.0	-1.84	-1.84	34.01	27.38	68.8	0.011	1439.6
20.0	-1.82	-1.82	34.04	27.40	66.5	0.014	1439.8
25.0	-1.78	-1.78	34.03	27.39	67.7	0.018	1440.0
30.0	-1.80	-1.80	34.05	27.41	66.1	0.021	1440.1
35.0	-1.83	-1.83	34.09	27.44	62.6	0.024	1440.1
40.0	-1.83	-1.83	34.08	27.43	63.7	0.028	1440.2
45.0	-1.78	-1.78	34.08	27.44	63.2	0.031	1440.5
50.0	-1.73	-1.73	34.15	27.49	58.3	0.034	1440.9
55.0	-1.58	-1.58	34.20	27.52	55.0	0.037	1441.8
60.0	-1.30	-1.31	34.25	27.55	51.9	0.040	1443.2
65.0	-0.76	-0.76	34.30	27.58	49.8	0.042	1445.9
70.0	-0.45	-0.45	34.39	27.63	44.6	0.044	1447.6
75.0	-0.36	-0.37	34.44	27.68	40.6	0.047	1448.1
80.0	-0.22	-0.22	34.48	27.70	38.7	0.049	1448.9
85.0	0.04	0.04	34.56	27.75	33.6	0.050	1450.3
90.0	0.26	0.26	34.62	27.79	30.0	0.052	1451.5
95.0	0.48	0.48	34.69	27.82	26.7	0.054	1452.6
100.0	0.72	0.72	34.70	27.82	27.0	0.055	1453.8
110.0	1.58	1.58	34.79	27.84	26.0	0.058	1457.9
120.0	2.27	2.26	34.91	27.88	22.5	0.060	1461.3
130.0	2.47	2.46	34.91	27.86	24.1	0.062	1462.4
140.0	2.30	2.29	34.94	27.90	20.1	0.065	1461.8
150.0	2.22	2.21	34.91	27.88	21.8	0.067	1461.6
160.0	2.26	2.25	34.92	27.89	21.4	0.069	1462.0
170.0	2.07	2.06	34.89	27.87	22.8	0.071	1461.2
180.0	2.03	2.02	34.91	27.90	20.9	0.073	1461.2
190.0	2.07	2.06	34.91	27.90	20.8	0.075	1461.6
200.0	2.08	2.07	34.91	27.90	21.0	0.078	1461.8
210.0	2.16	2.14	34.92	27.90	20.8	0.080	1462.3
220.0	2.13	2.11	34.90	27.88	22.2	0.082	1462.3
230.0	2.14	2.13	34.92	27.90	20.8	0.084	1462.6
240.0	2.15	2.14	34.95	27.92	19.2	0.086	1462.8
250.0	2.15	2.14	34.98	27.94	16.8	0.088	1463.0
260.0	2.15	2.14	34.95	27.92	19.1	0.090	1463.2
270.0	2.14	2.12	34.93	27.90	20.8	0.092	1463.2
280.0	2.11	2.09	34.93	27.91	20.3	0.094	1463.3
290.0	2.12	2.10	34.93	27.91	20.3	0.096	1463.5
300.0	2.06	2.05	34.94	27.92	19.5	0.098	1463.4
310.0	2.09	2.07	34.94	27.92	19.3	0.100	1463.7
320.0	2.09	2.08	34.95	27.92	19.1	0.102	1463.9
330.0	2.10	2.08	34.95	27.92	19.1	0.104	1464.1
340.0	2.12	2.10	34.96	27.93	18.6	0.106	1464.3
350.0	2.09	2.07	34.96	27.93	18.6	0.108	1464.4
360.0	2.03	2.01	34.97	27.94	17.4	0.109	1464.3
370.0	1.99	1.97	34.90	27.90	21.8	0.111	1464.2
380.0	1.97	1.95	34.94	27.92	19.2	0.113	1464.3
390.0	1.93	1.91	34.94	27.93	18.7	0.115	1464.3
400.0	1.95	1.93	34.92	27.91	20.2	0.117	1464.6
410.0	1.90	1.88	34.98	27.96	15.8	0.119	1464.6
420.0	1.85	1.83	34.95	27.94	17.6	0.121	1464.5
430.0	1.84	1.81	34.95	27.94	17.5	0.123	1464.6
440.0	1.83	1.81	34.95	27.94	17.6	0.124	1464.7
450.0	1.78	1.75	34.96	27.95	16.5	0.126	1464.7
460.0	1.76	1.74	34.95	27.95	16.8	0.128	1464.8
470.0	1.75	1.72	34.95	27.95	16.6	0.129	1464.9
480.0	1.73	1.70	34.95	27.95	16.4	0.131	1464.9
490.0	1.71	1.68	34.95	27.95	16.6	0.133	1465.0
500.0	1.67	1.65	34.93	27.94	17.5	0.135	1465.0
530.0	1.51	1.48	34.94	27.96	15.7	0.140	1464.8
560.0	1.50	1.47	34.97	27.98	13.6	0.144	1465.3
590.0	1.26	1.23	34.92	27.96	15.5	0.148	1464.7
620.0	1.05	1.02	34.91	27.97	14.4	0.153	1464.2
650.0	0.75	0.72	34.90	27.99	12.7	0.157	1463.4
680.0	0.56	0.53	34.90	27.99	11.9	0.161	1463.0
710.0	0.28	0.25	34.90	28.01	9.4	0.164	1462.3
740.0	0.05	0.02	34.89	28.01	9.0	0.167	1461.7
790.0	-0.13	-0.16	34.89	28.02	7.4	0.171	1461.7
840.0	-0.37	-0.40	34.92	28.06	3.6	0.174	1461.5
890.0	-0.54	-0.58	34.90	28.06	3.4	0.176	1461.5
940.0	-0.67	-0.70	34.90	28.06	2.4	0.177	1461.8
990.0	-0.79	-0.83	34.91	28.07	1.2	0.178	1462.1
1040.0	-0.87	-0.91	34.91	28.08	0.1	0.178	1462.5
1090.0	-0.93	-0.98	34.92	28.09	-0.9	0.178	1463.1
1140.0	-0.95	-1.00	34.92	28.09	-1.5	0.178	1463.8
1190.0	-0.95	-1.00	34.92	28.09	-1.4	0.177	1464.7
1204.4	-0.95	-1.00	34.92	28.09	-1.7	0.177	1465.0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4-25-81
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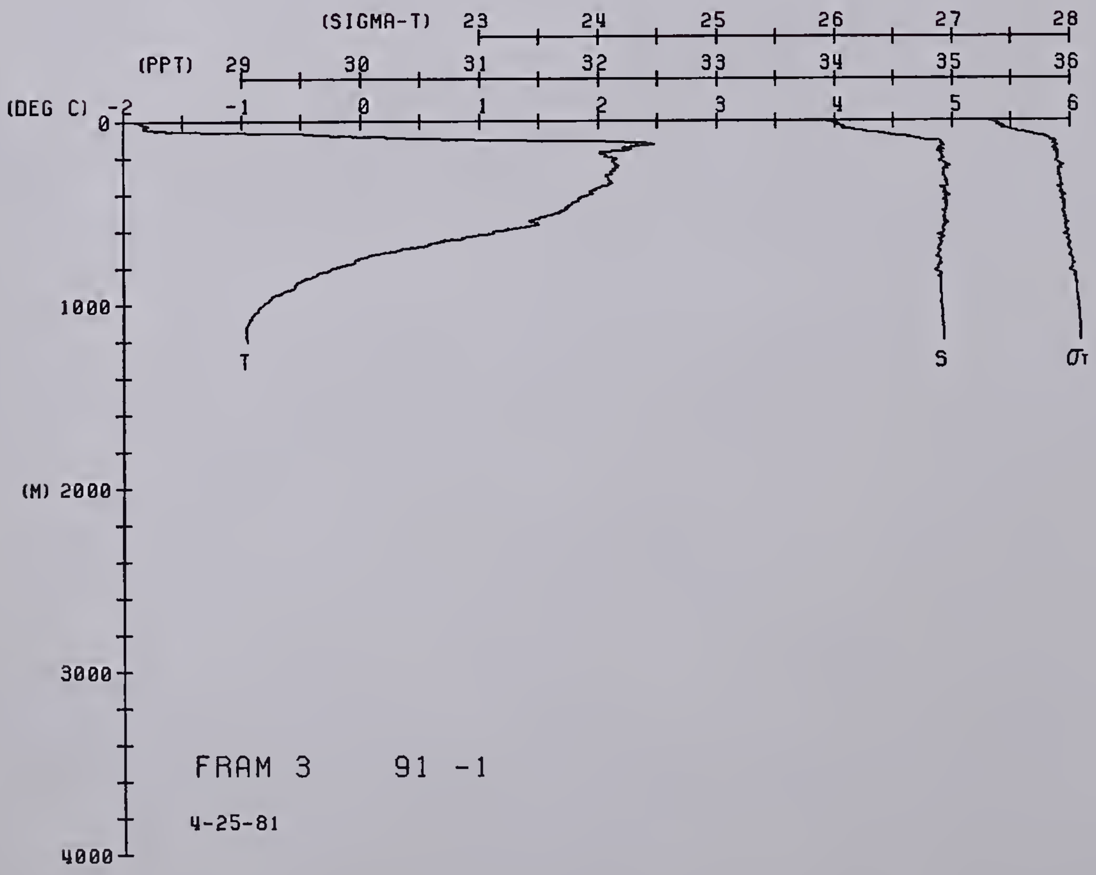
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(M) 2000
3000
4000
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4-25-81
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S
σT

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 FRAM 3  STATION  92(1) CTD  25/APR/1981 1529 GMT  CODE = 5
LAT = 82.1020N LNG =    5.7578E LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.80   -1.80   34.04   27.40    67.1   0.000   1439.6
    5.0  -1.80   -1.80   34.04   27.40    67.0   0.003   1439.7
    8.9  -1.80   -1.80   34.04   27.40    67.0   0.006   1439.7
   10.0  -1.81   -1.81   34.03   27.40    67.2   0.007   1439.7
   15.0  -1.83   -1.83   34.00   27.37    69.5   0.010   1439.7
   20.0  -1.83   -1.83   34.03   27.40    67.1   0.014   1439.8
   25.0  -1.82   -1.82   34.02   27.39    68.0   0.017   1439.9
   30.0  -1.83   -1.83   34.05   27.41    66.0   0.021   1440.0
   35.0  -1.83   -1.83   34.08   27.43    63.7   0.024   1440.1
   40.0  -1.83   -1.83   34.07   27.43    64.1   0.027   1440.2
   45.0  -1.81   -1.81   34.10   27.45    61.9   0.030   1440.4
   50.0  -1.70   -1.70   34.19   27.52    55.3   0.033   1441.1
   55.0  -1.44   -1.44   34.28   27.58    49.2   0.036   1442.5
   60.0  -1.25   -1.25   34.33   27.62    45.7   0.038   1443.6
   65.0  -1.05   -1.05   34.36   27.63    44.5   0.040   1444.6
   70.0  -0.88   -0.88   34.36   27.63    44.5   0.043   1445.5
   75.0  -0.79   -0.79   34.41   27.67    41.0   0.045   1446.1
   80.0  -0.72   -0.73   34.45   27.70    38.3   0.047   1446.5
   85.0  -0.41   -0.41   34.53   27.74    34.1   0.049   1448.2
   90.0  -0.05   -0.05   34.57   27.76    32.2   0.050   1450.0
   95.0   0.31    0.31   34.62   27.78    30.6   0.052   1451.8
  100.0   0.67    0.67   34.73   27.85    24.2   0.053   1453.6
  110.0   1.23    1.23   34.78   27.85    24.2   0.056   1456.4
  120.0   1.55    1.55   34.83   27.87    22.7   0.058   1458.1
  130.0   1.67    1.67   34.84   27.87    22.7   0.060   1458.8
  140.0   1.79    1.78   34.86   27.87    22.7   0.063   1459.5
  150.0   1.90    1.90   34.88   27.88    21.9   0.065   1460.2
  160.0   1.92    1.91   34.89   27.89    21.0   0.067   1460.4
  170.0   2.09    2.08   34.91   27.89    21.1   0.069   1461.3
  180.0   2.10    2.09   34.92   27.90    20.7   0.071   1461.6
  190.0   2.15    2.14   34.93   27.90    20.3   0.074   1462.0
  200.0   2.11    2.09   34.91   27.89    21.8   0.076   1461.9
  210.0   2.08    2.07   34.91   27.90    21.0   0.078   1462.0
  220.0   2.05    2.04   34.90   27.89    21.7   0.080   1462.0
  230.0   2.03    2.01   34.93   27.91    19.6   0.082   1462.1
  240.0   2.10    2.08   34.94   27.91    19.6   0.084   1462.6
  250.0   2.18    2.17   34.95   27.92    19.2   0.086   1463.1
  260.0   2.11    2.10   34.95   27.92    19.0   0.088   1463.0
  270.0   2.16    2.15   34.96   27.93    18.2   0.090   1463.4
  280.0   2.23    2.22   34.96   27.92    19.4   0.092   1463.9
  290.0   2.14    2.13   34.95   27.92    19.2   0.094   1463.6
  300.0   2.07    2.06   34.94   27.92    19.2   0.096   1463.5
  310.0   2.09    2.07   34.95   27.92    18.9   0.098   1463.7
  320.0   2.07    2.05   34.95   27.92    19.0   0.100   1463.8
  330.0   2.05    2.03   34.95   27.93    18.9   0.101   1463.9
  340.0   2.04    2.02   34.95   27.93    18.7   0.103   1464.0
  350.0   2.03    2.01   34.95   27.93    18.3   0.105   1464.1
  360.0   2.01    1.99   34.95   27.93    18.3   0.107   1464.2
  370.0   2.00    1.97   34.95   27.93    18.2   0.109   1464.3
  380.0   1.98    1.95   34.95   27.94    18.1   0.111   1464.4
  390.0   1.94    1.92   34.94   27.93    18.7   0.113   1464.4
  400.0   1.89    1.86   34.95   27.94    17.4   0.114   1464.3
  410.0   1.87    1.84   34.94   27.94    17.9   0.116   1464.4
  420.0   1.84    1.82   34.95   27.94    17.5   0.118   1464.4
  430.0   1.80    1.78   34.94   27.94    17.6   0.120   1464.4
  440.0   1.77    1.75   34.95   27.95    17.1   0.122   1464.5
  450.0   1.73    1.71   34.94   27.95    17.0   0.123   1464.5
  460.0   1.71    1.69   34.94   27.95    16.9   0.125   1464.5
  470.0   1.71    1.68   34.95   27.95    16.6   0.127   1464.7
  480.0   1.70    1.67   34.94   27.95    17.0   0.128   1464.8
  490.0   1.66    1.63   34.94   27.95    16.9   0.130   1464.8
  491.1   1.65    1.63   34.94   27.95    16.4   0.130   1464.8
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 FRAM 3  STATION  93(1) CTD  25/APR/1981 1531 GMT  CODE = 5
LAT = 82.1020N LNG =    5.7578E LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.87   -1.87   34.17   27.51    56.3   0.000   1439.5
   4.0  -1.87   -1.87   34.17   27.51    56.2   0.002   1439.5
   5.0  -1.87   -1.87   34.17   27.51    56.2   0.003   1439.5
  10.0  -1.87   -1.87   34.17   27.51    56.2   0.006   1439.6
  15.0  -1.87   -1.87   34.19   27.52    55.4   0.009   1439.7
  20.0  -1.87   -1.87   34.18   27.52    55.7   0.011   1439.8
  25.0  -1.87   -1.87   34.18   27.52    55.6   0.014   1439.9
  30.0  -1.86   -1.86   34.18   27.52    55.6   0.017   1440.0
  35.0  -1.82   -1.82   34.18   27.52    55.5   0.020   1440.2
  40.0  -1.72   -1.72   34.18   27.51    55.8   0.023   1440.8
  45.0  -1.59   -1.59   34.17   27.50    56.8   0.025   1441.5
  50.0  -1.46   -1.46   34.20   27.52    55.5   0.028   1442.2
  55.0  -1.34   -1.35   34.22   27.53    53.9   0.031   1442.9
  60.0  -1.18   -1.18   34.28   27.58    49.9   0.034   1443.8
  65.0  -1.01   -1.01   34.36   27.63    44.7   0.036   1444.8
  70.0  -0.80   -0.80   34.37   27.63    44.6   0.038   1445.9
  75.0  -0.60   -0.60   34.40   27.65    43.3   0.041   1447.0
  80.0  -0.40   -0.41   34.42   27.66    42.2   0.043   1448.0
  85.0  -0.22   -0.22   34.48   27.70    38.4   0.045   1449.0
  90.0   0.04    0.04   34.55   27.74    34.3   0.047   1450.4
  95.0   0.40    0.39   34.61   27.77    32.2   0.048   1452.1
 100.0   0.77    0.77   34.66   27.79    30.3   0.050   1454.0
 110.0   1.25    1.24   34.79   27.86    23.7   0.053   1456.5
 120.0   1.55    1.55   34.85   27.89    21.0   0.055   1458.1
 130.0   1.67    1.67   34.88   27.90    19.7   0.057   1458.8
 140.0   1.79    1.79   34.89   27.90    20.5   0.059   1459.5
 150.0   1.92    1.91   34.93   27.92    18.5   0.061   1460.3
 160.0   1.94    1.93   34.92   27.91    19.0   0.063   1460.5
 170.0   2.08    2.07   34.95   27.92    18.3   0.065   1461.3
 180.0   2.09    2.08   34.95   27.92    18.3   0.066   1461.5
 190.0   2.13    2.12   34.96   27.93    17.7   0.068   1461.9
 200.0   2.09    2.08   34.97   27.94    16.8   0.070   1461.9
 210.0   2.06    2.05   34.97   27.95    16.4   0.072   1462.0
 220.0   2.03    2.02   34.97   27.95    16.3   0.073   1462.0
 230.0   2.01    2.00   34.98   27.95    15.9   0.075   1462.1
 240.0   2.08    2.07   34.97   27.94    16.9   0.077   1462.6
 250.0   2.16    2.14   34.99   27.95    16.1   0.078   1463.1
 260.0   2.09    2.07   34.98   27.95    16.1   0.080   1462.9
 270.0   2.15    2.14   34.97   27.94    17.3   0.082   1463.4
 280.0   2.18    2.16   35.00   27.96    15.7   0.083   1463.7
 290.0   2.12    2.10   35.00   27.97    14.9   0.085   1463.6
 300.0   2.07    2.05   35.00   27.96    15.1   0.086   1463.5
 310.0   2.07    2.05   35.00   27.97    15.0   0.088   1463.7
 320.0   2.06    2.04   34.99   27.96    15.7   0.089   1463.8
 330.0   2.04    2.02   35.00   27.97    14.7   0.091   1463.9
 340.0   2.03    2.01   34.99   27.96    15.9   0.093   1464.0
 350.0   2.01    1.99   35.00   27.97    14.8   0.094   1464.1
 360.0   1.99    1.97   35.01   27.98    14.0   0.096   1464.2
 370.0   1.98    1.96   35.00   27.97    14.5   0.097   1464.3
 380.0   1.96    1.94   35.01   27.98    13.5   0.098   1464.4
 390.0   1.92    1.90   35.01   27.98    13.6   0.100   1464.4
 400.0   1.88    1.85   35.00   27.98    14.0   0.101   1464.3
 410.0   1.86    1.83   34.99   27.98    14.2   0.103   1464.4
 420.0   1.82    1.80   35.00   27.98    13.6   0.104   1464.4
 430.0   1.78    1.76   34.99   27.98    13.5   0.105   1464.4
 440.0   1.76    1.73   34.99   27.98    13.5   0.107   1464.5
 450.0   1.71    1.69   34.99   27.99    13.0   0.108   1464.4
 460.0   1.70    1.67   34.99   27.98    13.5   0.109   1464.5
 470.0   1.70    1.67   34.98   27.98    14.0   0.111   1464.7
 480.0   1.67    1.64   35.00   27.99    12.6   0.112   1464.8
 489.1   1.64    1.62   34.99   27.99    12.8   0.113   1464.8
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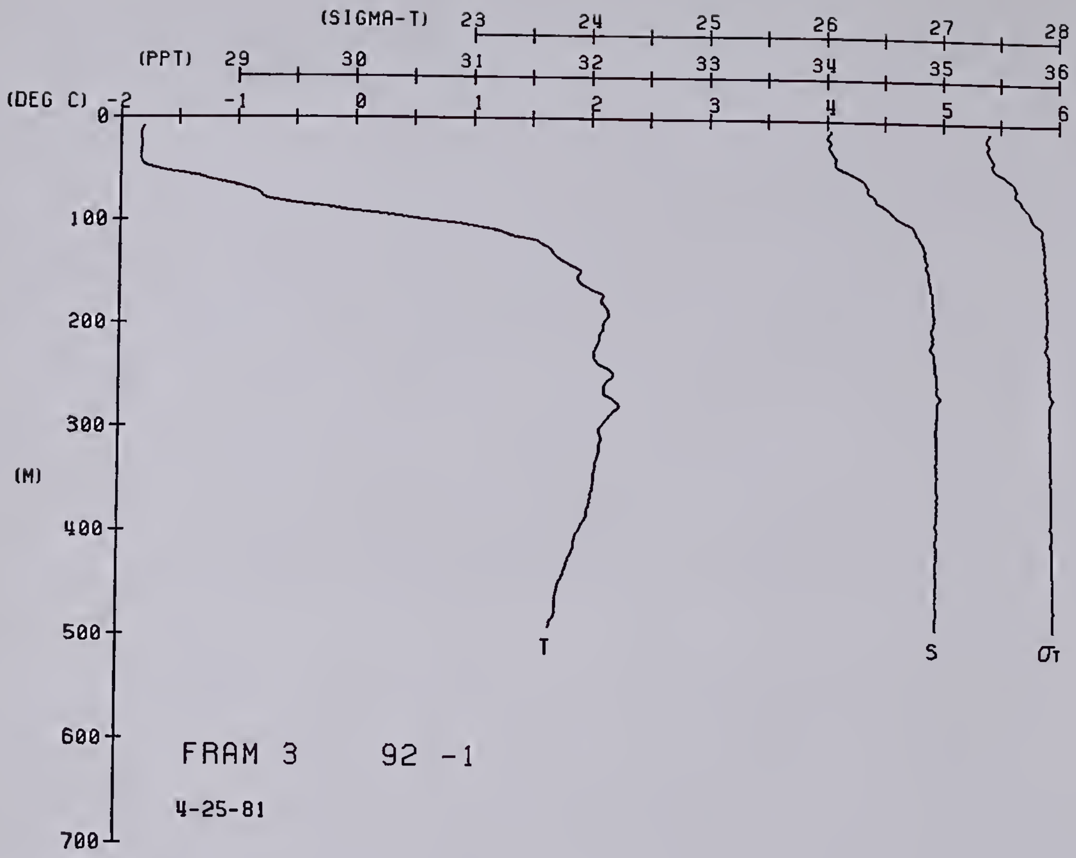
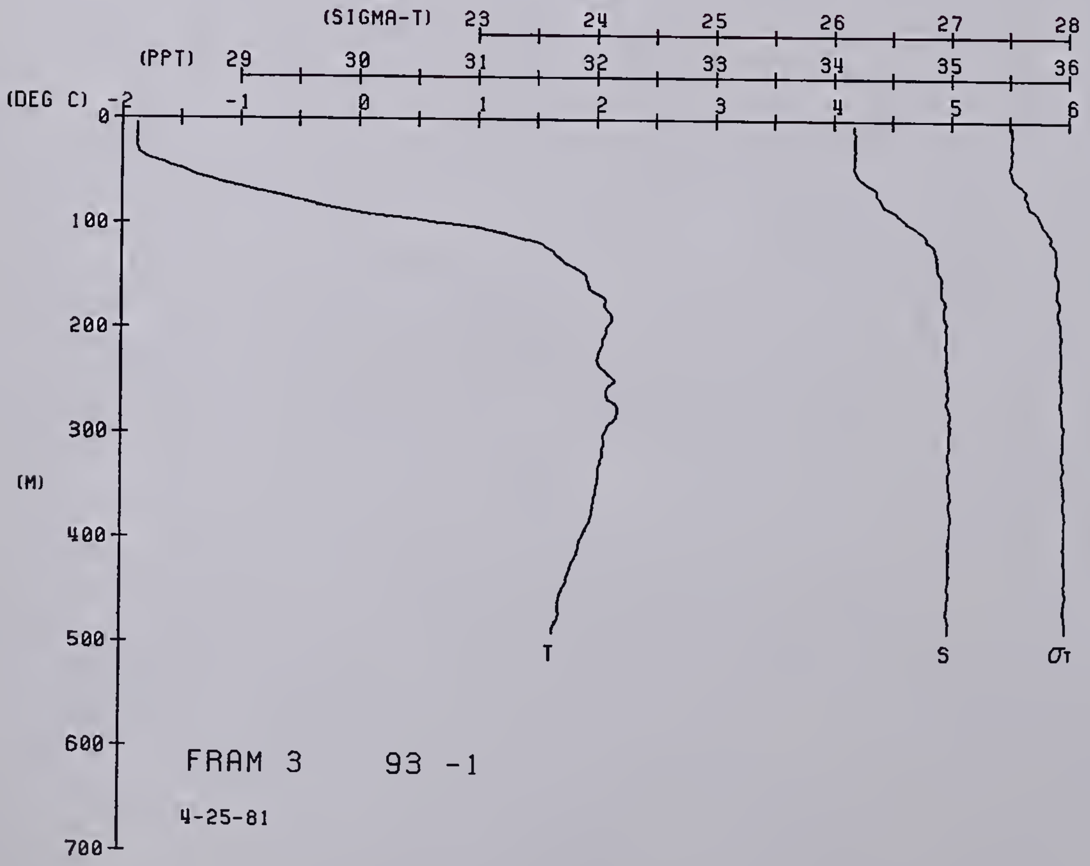


FRAM 3 92 -1

4-25-81



FRAM 3 93 -1

4-25-81

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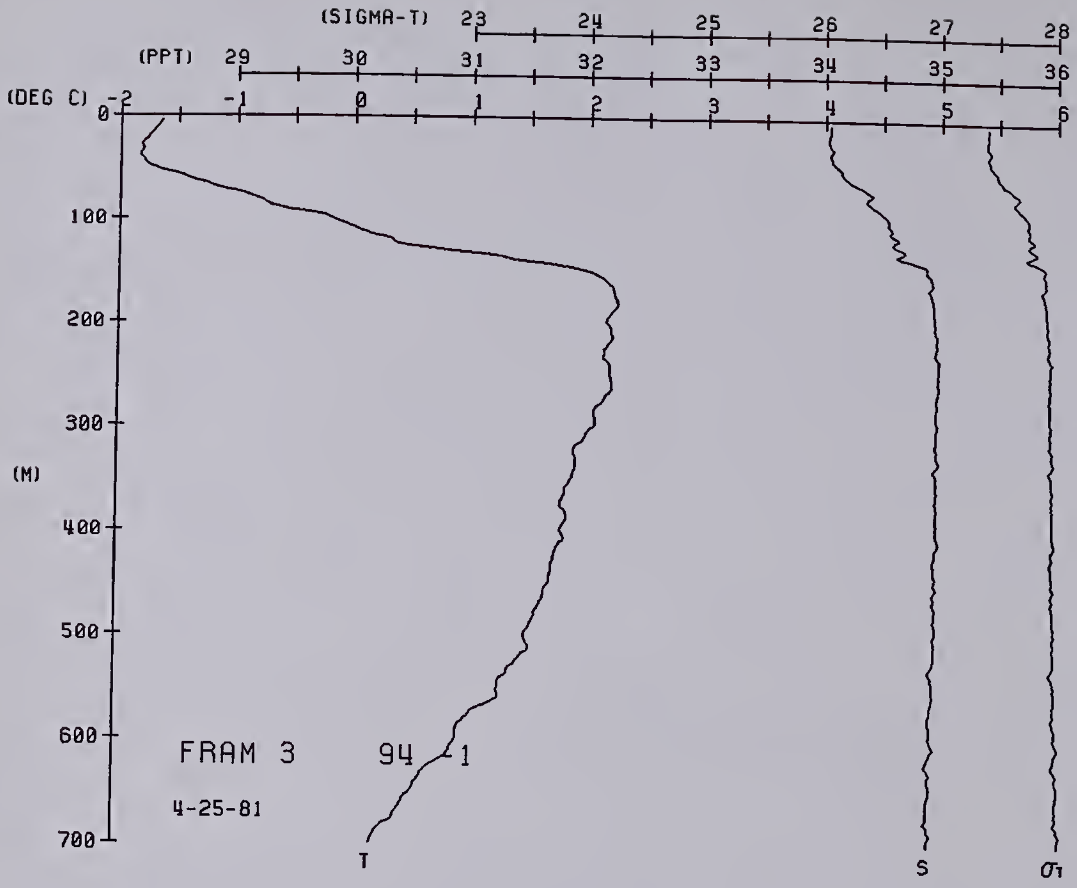
FRAM 3  STATION  94(1) CTD  25/APR/1981 2019 GMT  CODE = 5
LAT = 82.0745N LNG =    5.6910E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0
```

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.63	-1.63	34.04	27.40	67.2	0.000	1440.4
4.0	-1.63	-1.64	34.04	27.40	67.1	0.003	1440.4
5.0	-1.65	-1.65	34.04	27.40	66.9	0.003	1440.4
10.0	-1.68	-1.68	34.04	27.40	67.3	0.007	1440.3
15.0	-1.72	-1.72	34.04	27.40	67.2	0.010	1440.2
20.0	-1.76	-1.76	34.03	27.39	67.5	0.014	1440.1
25.0	-1.80	-1.80	34.04	27.40	66.6	0.017	1440.0
30.0	-1.81	-1.81	34.06	27.42	65.2	0.020	1440.1
35.0	-1.81	-1.81	34.04	27.40	66.6	0.024	1440.1
40.0	-1.82	-1.82	34.06	27.42	65.0	0.027	1440.2
45.0	-1.78	-1.78	34.10	27.45	61.8	0.030	1440.5
50.0	-1.71	-1.71	34.13	27.47	59.5	0.033	1441.0
55.0	-1.56	-1.56	34.17	27.50	57.4	0.036	1441.8
60.0	-1.42	-1.42	34.21	27.53	54.2	0.039	1442.6
65.0	-1.28	-1.29	34.30	27.60	47.8	0.042	1443.5
70.0	-1.15	-1.15	34.38	27.66	42.2	0.044	1444.3
75.0	-0.95	-0.95	34.37	27.64	43.5	0.046	1445.3
80.0	-0.82	-0.82	34.37	27.64	44.3	0.048	1446.0
85.0	-0.73	-0.73	34.43	27.68	40.3	0.050	1446.5
90.0	-0.56	-0.56	34.49	27.72	35.9	0.052	1447.5
95.0	-0.29	-0.29	34.54	27.75	33.9	0.054	1448.9
100.0	-0.16	-0.17	34.54	27.74	34.2	0.056	1449.6
110.0	0.05	0.05	34.56	27.75	33.9	0.059	1450.7
120.0	0.34	0.33	34.58	27.75	34.0	0.063	1452.2
130.0	0.89	0.89	34.65	27.77	32.1	0.066	1455.0
140.0	1.53	1.53	34.85	27.88	21.5	0.069	1458.3
150.0	2.02	2.02	34.91	27.90	20.8	0.071	1460.7
160.0	2.16	2.15	34.91	27.89	21.4	0.073	1461.5
170.0	2.21	2.20	34.91	27.89	21.9	0.075	1461.9
180.0	2.24	2.23	34.94	27.90	20.4	0.077	1462.2
190.0	2.17	2.16	34.94	27.91	19.7	0.079	1462.1
200.0	2.16	2.15	34.95	27.92	19.1	0.081	1462.2
210.0	2.19	2.18	34.96	27.93	18.2	0.083	1462.5
220.0	2.15	2.14	34.96	27.93	18.0	0.085	1462.5
230.0	2.12	2.11	34.97	27.94	16.8	0.087	1462.6
240.0	2.17	2.16	34.98	27.94	17.0	0.088	1463.0
250.0	2.18	2.16	34.97	27.94	17.4	0.090	1463.1
260.0	2.19	2.18	34.98	27.94	17.4	0.092	1463.4
270.0	2.13	2.12	34.96	27.93	18.6	0.094	1463.3
280.0	2.06	2.04	34.96	27.93	17.8	0.096	1463.1
290.0	2.05	2.03	34.96	27.94	17.7	0.097	1463.2
300.0	2.02	2.00	34.96	27.94	17.5	0.099	1463.3
310.0	1.96	1.94	34.96	27.94	17.3	0.101	1463.1
320.0	1.87	1.85	34.96	27.95	16.0	0.103	1462.9
330.0	1.88	1.87	34.98	27.96	15.1	0.104	1463.2
340.0	1.88	1.86	34.94	27.94	17.8	0.106	1463.3
350.0	1.84	1.83	34.96	27.95	16.4	0.108	1463.3
360.0	1.80	1.78	34.96	27.95	16.0	0.109	1463.3
370.0	1.77	1.75	34.95	27.95	16.2	0.111	1463.3
380.0	1.81	1.79	34.96	27.96	16.0	0.113	1463.7
390.0	1.80	1.78	34.96	27.96	16.0	0.114	1463.8
400.0	1.77	1.75	34.96	27.95	16.2	0.116	1463.8
410.0	1.77	1.74	34.98	27.97	14.7	0.117	1464.0
420.0	1.72	1.70	34.95	27.95	16.3	0.119	1463.9
430.0	1.70	1.67	34.94	27.95	16.7	0.121	1464.0
440.0	1.68	1.66	34.95	27.96	16.2	0.122	1464.1
450.0	1.66	1.64	34.96	27.96	15.5	0.124	1464.2
460.0	1.63	1.60	34.94	27.96	16.2	0.125	1464.2
470.0	1.59	1.57	34.95	27.96	15.5	0.127	1464.2
480.0	1.55	1.52	34.95	27.97	15.0	0.129	1464.2
490.0	1.51	1.48	34.96	27.97	14.4	0.130	1464.2
500.0	1.47	1.44	34.94	27.97	15.1	0.132	1464.1
530.0	1.35	1.32	34.91	27.95	16.9	0.136	1464.0
560.0	1.24	1.21	34.94	27.98	13.9	0.141	1464.1
590.0	0.90	0.87	34.92	27.99	12.5	0.145	1463.1
620.0	0.74	0.71	34.89	27.97	14.0	0.149	1462.8
650.0	0.51	0.48	34.91	28.00	10.5	0.153	1462.3
680.0	0.30	0.27	34.90	28.01	9.8	0.156	1461.8
710.0	0.17	0.13	34.90	28.02	8.4	0.159	1461.7
740.0	-0.06	-0.09	34.90	28.03	7.1	0.161	1461.2
790.0	-0.35	-0.38	34.89	28.04	5.8	0.164	1460.7
840.0	-0.50	-0.53	34.90	28.05	3.7	0.167	1460.9
890.0	-0.61	-0.64	34.89	28.05	3.9	0.169	1461.2
940.0	-0.69	-0.72	34.89	28.05	3.1	0.171	1461.7
990.0	-0.77	-0.81	34.91	28.07	1.1	0.172	1462.1
1040.0	-0.81	-0.86	34.91	28.08	0.5	0.172	1462.8
1090.0	-0.87	-0.91	34.92	28.08	-0.5	0.172	1463.4
1140.0	-0.92	-0.97	34.94	28.10	-2.2	0.171	1464.0
1190.0	-0.94	-0.98	34.93	28.10	-2.3	0.170	1464.8
1227.1	-0.94	-0.99	34.94	28.10	-2.6	0.169	1465.4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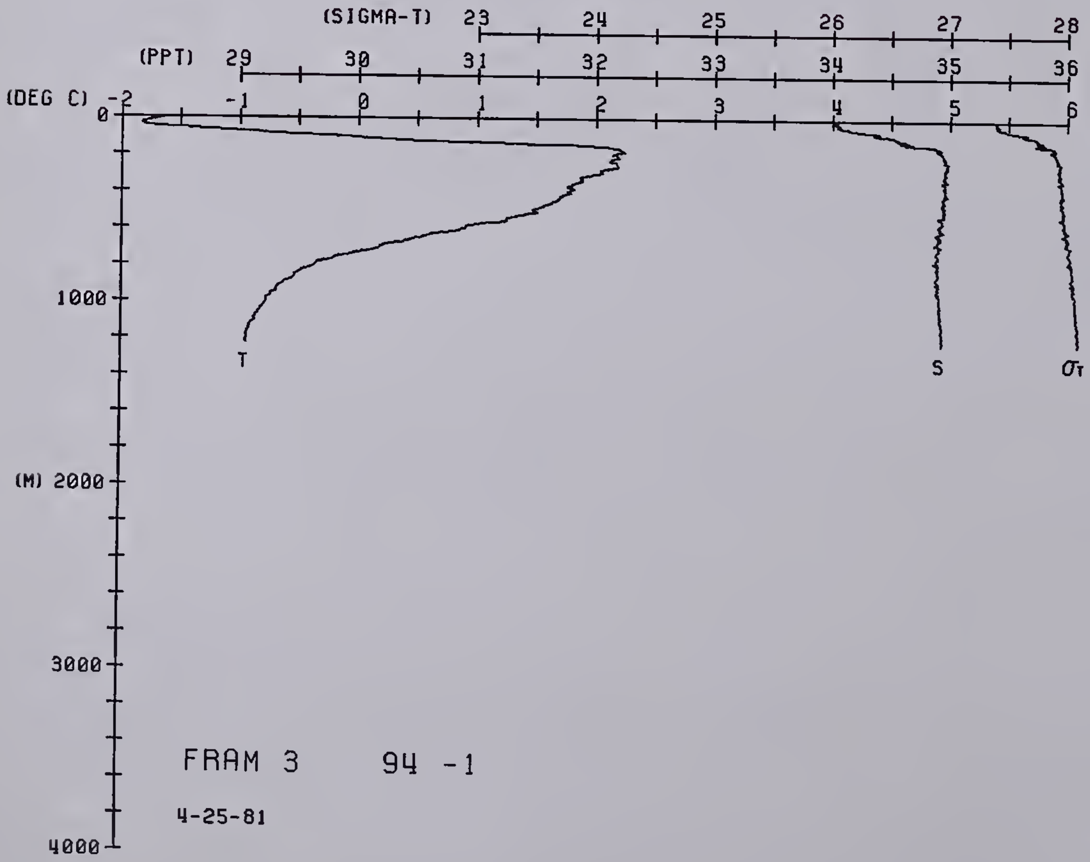
700
FRAM 3 94 -1
4-25-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
3000
4000
T
S
σT
FRAM 3 94 -1
4-25-81

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LAT = 82.0677N LNG =    5.6563E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.11   27.46    61.2   0.000  1439.5
   4.0   -1.84   -1.84   34.11   27.46    61.2   0.002  1439.6
   5.0   -1.83   -1.83   34.11   27.45    61.6   0.003  1439.6
  10.0   -1.83   -1.83   34.10   27.45    62.2   0.006  1439.7
  15.0   -1.83   -1.83   34.10   27.45    62.0   0.009  1439.8
  20.0   -1.83   -1.83   34.09   27.44    62.9   0.013  1439.8
  25.0   -1.83   -1.83   34.10   27.45    62.3   0.016  1439.9
  30.0   -1.84   -1.84   34.10   27.45    61.7   0.019  1440.0
  35.0   -1.84   -1.84   34.10   27.45    62.0   0.022  1440.0
  40.0   -1.83   -1.83   34.08   27.43    63.6   0.025  1440.1
  45.0   -1.84   -1.84   34.09   27.44    62.6   0.028  1440.2
  50.0   -1.83   -1.83   34.11   27.46    61.2   0.031  1440.4
  55.0   -1.82   -1.82   34.12   27.46    60.4   0.035  1440.5
  60.0   -1.79   -1.79   34.15   27.49    57.8   0.038  1440.8
  65.0   -1.61   -1.61   34.23   27.55    52.2   0.040  1441.8
  70.0   -1.31   -1.31   34.31   27.60    47.2   0.043  1443.4
  75.0   -1.16   -1.16   34.36   27.64    43.9   0.045  1444.3
  80.0   -1.05   -1.05   34.39   27.66    42.1   0.047  1444.9
  85.0   -0.92   -0.92   34.41   27.67    41.0   0.049  1445.6
  90.0   -0.75   -0.75   34.46   27.71    37.7   0.051  1446.6
  95.0   -0.55   -0.55   34.48   27.71    37.1   0.053  1447.6
 100.0   -0.40   -0.40   34.50   27.72    36.0   0.055  1448.4
 110.0    0.11    0.10   34.63   27.80    28.7   0.058  1451.1
 120.0    0.39    0.38   34.68   27.83    26.6   0.061  1452.6
 130.0    1.31    1.30   34.83   27.89    21.1   0.064  1457.1
 140.0    1.67    1.66   34.85   27.88    22.3   0.066  1458.9
 150.0    1.89    1.88   34.87   27.88    22.4   0.068  1460.1
 160.0    1.98    1.97   34.89   27.89    21.5   0.070  1460.7
 170.0    2.17    2.16   34.93   27.90    20.6   0.072  1461.7
 180.0    2.19    2.18   34.92   27.89    21.1   0.074  1462.0
 190.0    2.10    2.09   34.93   27.90    20.1   0.077  1461.8
 200.0    2.10    2.09   34.94   27.91    19.4   0.079  1461.9
 210.0    2.12    2.11   34.94   27.92    19.1   0.081  1462.2
 220.0    2.07    2.05   34.94   27.92    19.0   0.082  1462.1
 230.0    1.92    1.91   34.92   27.91    19.4   0.084  1461.6
 240.0    1.71    1.70   34.91   27.92    18.8   0.086  1460.8
 250.0    1.81    1.80   34.92   27.92    18.3   0.088  1461.5
 260.0    1.92    1.91   34.94   27.93    18.1   0.090  1462.1
 270.0    2.00    1.99   34.95   27.93    17.8   0.092  1462.7
 280.0    2.01    1.99   34.95   27.93    17.8   0.094  1462.9
 290.0    2.05    2.03   34.96   27.93    18.0   0.095  1463.2
 300.0    2.01    1.99   34.96   27.94    17.7   0.097  1463.2
 310.0    1.96    1.94   34.95   27.94    17.7   0.099  1463.1
 320.0    1.86    1.84   34.95   27.94    17.0   0.101  1462.9
 330.0    1.85    1.83   34.95   27.94    17.1   0.103  1463.0
 340.0    1.85    1.83   34.95   27.95    16.7   0.104  1463.1
 350.0    1.83    1.81   34.95   27.95    16.5   0.106  1463.2
 360.0    1.79    1.77   34.95   27.95    16.8   0.108  1463.2
 370.0    1.82    1.80   34.96   27.95    16.1   0.109  1463.5
 380.0    1.78    1.76   34.96   27.96    16.0   0.111  1463.6
 390.0    1.77    1.75   34.95   27.95    16.2   0.113  1463.6
 400.0    1.75    1.73   34.96   27.96    16.0   0.114  1463.7
 410.0    1.73    1.71   34.96   27.96    15.9   0.116  1463.8
 420.0    1.72    1.69   34.96   27.96    15.8   0.117  1463.9
 430.0    1.71    1.68   34.95   27.96    16.0   0.119  1464.0
 440.0    1.67    1.65   34.95   27.96    15.8   0.121  1464.1
 450.0    1.64    1.61   34.95   27.96    15.7   0.122  1464.1
 460.0    1.62    1.60   34.95   27.96    15.4   0.124  1464.1
 470.0    1.60    1.57   34.95   27.97    15.2   0.125  1464.2
 480.0    1.59    1.56   34.96   27.97    14.9   0.127  1464.3
 490.0    1.53    1.50   34.95   27.97    14.9   0.128  1464.3
 490.1    1.53    1.50   34.95   27.97    14.8   0.128  1464.2
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 FRAM 3  STATION  96(1) CTD  25/APR/1981 2135 GMT  CODE = 5
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AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   34.12   27.47    60.6   0.000  1439.5
   4.0   -1.85   -1.85   34.12   27.47    60.5   0.002  1439.5
   5.0   -1.85   -1.85   34.12   27.47    60.6   0.003  1439.6
  10.0   -1.85   -1.85   34.12   27.46    60.9   0.006  1439.6
  15.0   -1.85   -1.85   34.11   27.46    61.1   0.009  1439.7
  20.0   -1.84   -1.84   34.10   27.45    61.7   0.012  1439.8
  25.0   -1.85   -1.85   34.11   27.46    61.3   0.015  1439.9
  30.0   -1.84   -1.84   34.12   27.46    60.6   0.019  1440.0
  35.0   -1.84   -1.84   34.12   27.46    60.7   0.022  1440.1
  40.0   -1.84   -1.84   34.13   27.47    59.7   0.025  1440.2
  45.0   -1.84   -1.84   34.13   27.47    59.6   0.028  1440.3
  50.0   -1.83   -1.83   34.12   27.47    60.0   0.031  1440.4
  55.0   -1.73   -1.73   34.10   27.45    61.8   0.034  1440.9
  60.0   -1.56   -1.56   34.13   27.47    59.9   0.037  1441.8
  65.0   -1.40   -1.40   34.17   27.50    57.2   0.040  1442.7
  70.0   -1.24   -1.24   34.23   27.53    53.8   0.043  1443.6
  75.0   -1.11   -1.11   34.30   27.59    48.4   0.045  1444.4
  80.0   -1.00   -1.01   34.34   27.62    45.7   0.048  1445.1
  85.0   -0.87   -0.87   34.36   27.63    44.5   0.050  1445.8
  90.0   -0.67   -0.67   34.38   27.63    44.4   0.052  1446.9
  95.0   -0.50   -0.51   34.43   27.67    40.9   0.054  1447.8
 100.0   -0.33   -0.33   34.45   27.68    40.0   0.056  1448.7
 110.0    0.24    0.23   34.55   27.73    35.9   0.060  1451.6
 120.0    0.60    0.59   34.61   27.76    33.2   0.064  1453.5
 130.0    1.42    1.41   34.69   27.77    32.6   0.067  1457.4
 140.0    1.74    1.73   34.79   27.82    27.6   0.070  1459.1
 150.0    1.90    1.89   34.85   27.86    24.4   0.073  1460.1
 160.0    2.01    2.00   34.86   27.86    24.0   0.075  1460.8
 170.0    2.19    2.18   34.90   27.88    22.4   0.077  1461.8
 180.0    2.17    2.16   34.93   27.90    20.3   0.080  1461.9
 190.0    2.10    2.09   34.93   27.91    19.6   0.082  1461.7
 200.0    2.10    2.09   34.94   27.91    19.4   0.084  1461.9
 210.0    2.14    2.13   34.92   27.90    21.1   0.086  1462.3
 220.0    2.07    2.05   34.94   27.92    19.0   0.088  1462.1
 230.0    1.97    1.95   34.93   27.92    18.6   0.090  1461.8
 240.0    1.90    1.89   34.92   27.92    19.3   0.091  1461.7
 250.0    1.85    1.84   34.90   27.91    20.0   0.093  1461.6
 260.0    1.93    1.92   34.92   27.91    19.7   0.095  1462.2
 270.0    2.01    2.00   34.94   27.92    18.6   0.097  1462.7
 280.0    2.02    2.00   34.95   27.93    18.3   0.099  1462.9
 290.0    2.05    2.03   34.95   27.93    18.2   0.101  1463.2
 300.0    2.02    2.00   34.95   27.93    18.0   0.103  1463.2
 310.0    1.96    1.94   34.95   27.94    17.5   0.105  1463.1
 320.0    1.86    1.84   34.96   27.95    16.3   0.106  1462.9
 330.0    1.86    1.84   34.94   27.94    17.4   0.108  1463.0
 340.0    1.85    1.83   34.95   27.94    16.9   0.110  1463.2
 350.0    1.83    1.82   34.95   27.94    17.0   0.112  1463.3
 360.0    1.79    1.77   34.95   27.94    17.0   0.113  1463.2
 370.0    1.83    1.81   34.95   27.95    17.0   0.115  1463.6
 380.0    1.79    1.77   34.96   27.95    16.3   0.117  1463.6
 390.0    1.77    1.75   34.95   27.95    16.3   0.118  1463.7
 400.0    1.76    1.74   34.94   27.95    16.9   0.120  1463.8
 410.0    1.74    1.71   34.96   27.96    15.9   0.122  1463.8
 420.0    1.73    1.70   34.95   27.95    16.4   0.123  1463.9
 430.0    1.71    1.69   34.95   27.95    16.4   0.125  1464.0
 440.0    1.68    1.66   34.95   27.96    15.9   0.127  1464.1
 450.0    1.64    1.62   34.94   27.96    16.2   0.128  1464.1
 460.0    1.63    1.61   34.95   27.96    15.8   0.130  1464.2
 470.0    1.61    1.58   34.95   27.96    15.7   0.131  1464.3
 480.0    1.60    1.57   34.94   27.96    16.2   0.133  1464.4
 488.1    1.54    1.52   34.96   27.97    14.8   0.134  1464.3
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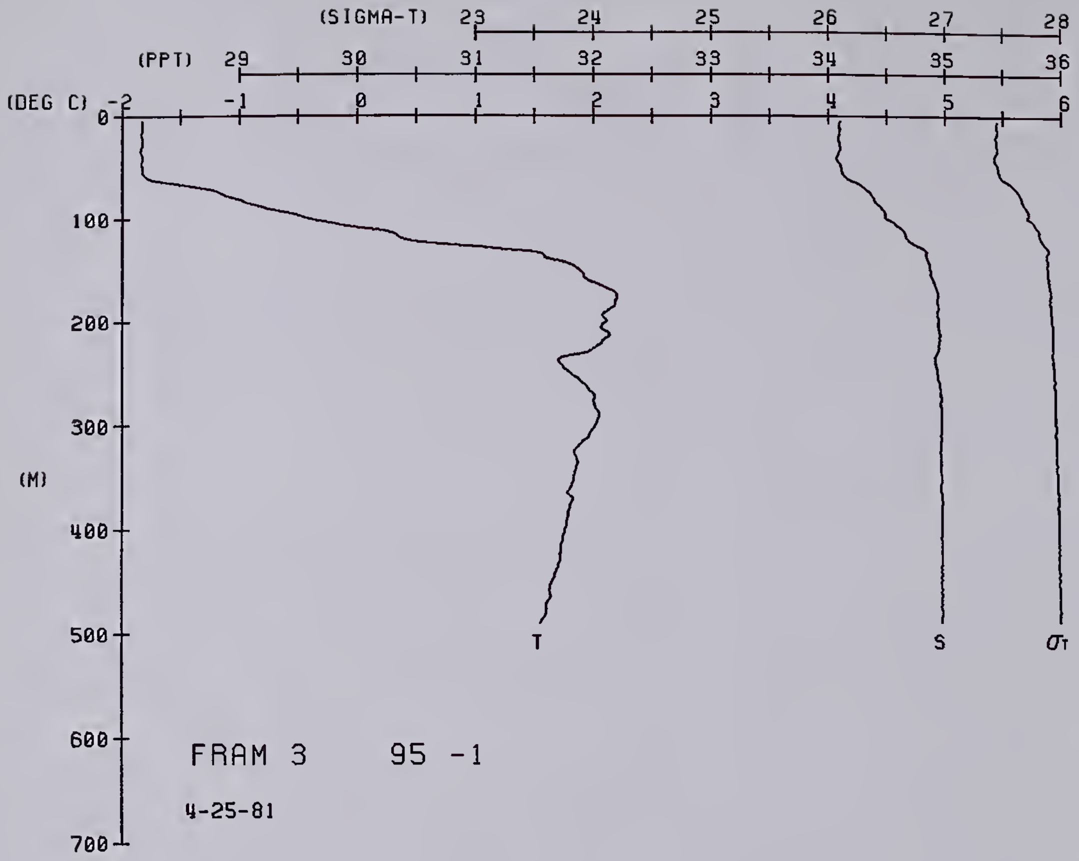
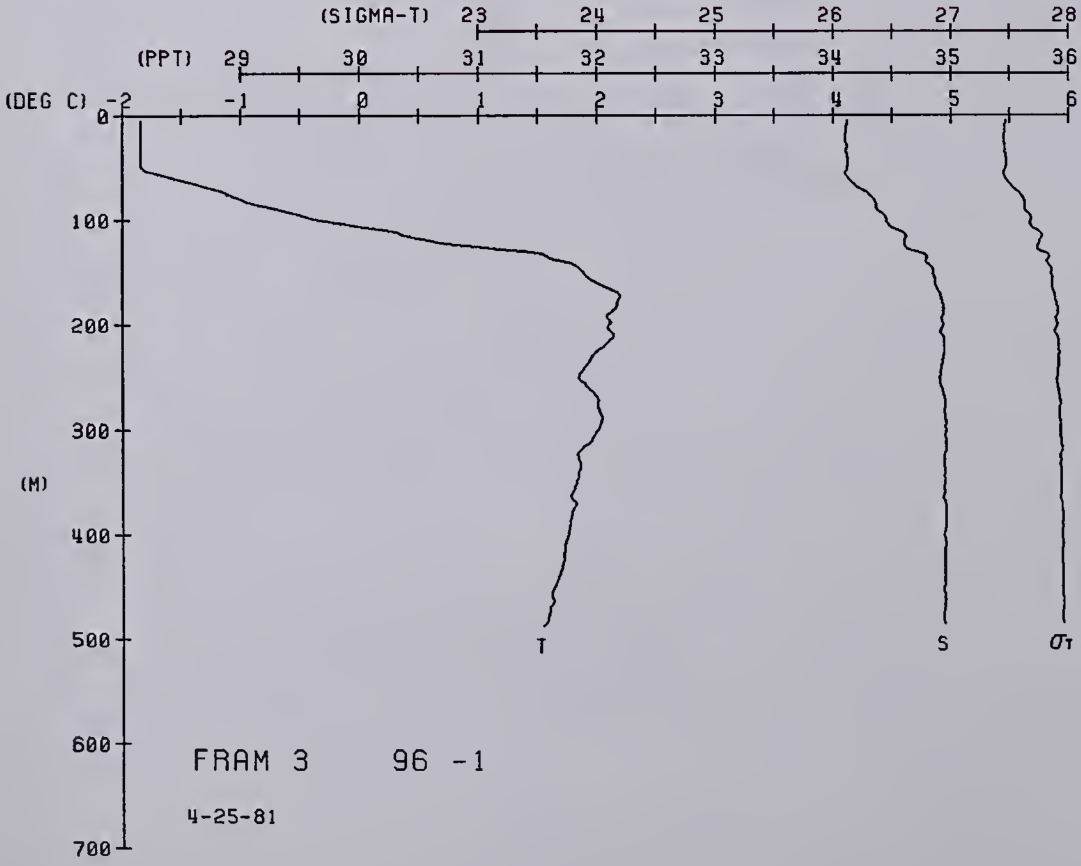

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 95 -1
4-25-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 96 -1
4-25-81

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                                        FRAM 3  STATION  97(1) CTD  26/APR/1981 1202 GMT  CODE = 5
                                        LAT = 82.0052N LNG =    5.5963E LTER =    30. LGER =    30.
                                        AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND              DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.49   -1.49   33.31   26.80   123.6   0.000  1440.0              710.0    0.04    0.01   34.88   28.01     9.5   0.167  1461.1
   4.0   -1.49   -1.49   33.31   26.80   123.6   0.005  1440.1              740.0   -0.20   -0.23   34.88   28.02     7.5   0.170  1460.6
   5.0   -1.51   -1.51   33.36   26.84   120.0   0.006  1440.1              790.0   -0.39   -0.42   34.90   28.05     4.7   0.173  1460.5
  10.0   -1.61   -1.61   33.58   27.02   102.5   0.012  1440.0              840.0   -0.56   -0.59   34.90   28.05     3.5   0.175  1460.6
  15.0   -1.72   -1.72   33.81   27.21    84.4   0.017  1439.9              890.0   -0.72   -0.75   34.91   28.07     1.5   0.176  1460.7
  20.0   -1.79   -1.79   33.96   27.33    73.0   0.021  1439.8              940.0   -0.80   -0.83   34.92   28.08     0.4   0.177  1461.2
  25.0   -1.79   -1.79   33.96   27.34    72.7   0.024  1439.9              990.0   -0.85   -0.88   34.92   28.08    -0.2   0.177  1461.8
  30.0   -1.78   -1.78   33.97   27.34    72.2   0.028  1440.1             1040.0   -0.91   -0.95   34.92   28.09    -1.0   0.177  1462.4
  35.0   -1.80   -1.80   34.02   27.38    68.2   0.031  1440.1             1090.0   -0.93   -0.97   34.92   28.09    -1.0   0.176  1463.1
  40.0   -1.81   -1.81   34.03   27.39    67.3   0.035  1440.2             1090.3   -0.93   -0.97   34.92   28.09    -0.9   0.176  1463.1
  45.0   -1.80   -1.80   34.03   27.40    67.0   0.038  1440.3
  50.0   -1.79   -1.80   34.06   27.42    65.0   0.042  1440.5
  55.0   -1.78   -1.79   34.05   27.41    65.4   0.045  1440.6
  60.0   -1.78   -1.78   34.06   27.42    64.8   0.048  1440.7
  65.0   -1.75   -1.76   34.13   27.47    59.8   0.051  1441.0
  70.0   -1.55   -1.56   34.21   27.53    54.1   0.054  1442.1
  75.0   -1.15   -1.16   34.28   27.57    50.3   0.057  1444.2
  80.0   -0.91   -0.92   34.38   27.65    43.0   0.059  1445.5
  85.0   -0.77   -0.77   34.43   27.68    39.8   0.061  1446.4
  90.0   -0.66   -0.66   34.43   27.68    40.0   0.063  1447.0
  95.0   -0.50   -0.50   34.51   27.73    35.2   0.065  1447.9
 100.0   -0.30   -0.30   34.54   27.75    33.9   0.067  1449.0
 110.0    0.22    0.22   34.65   27.81    28.2   0.070  1451.7
 120.0    0.81    0.80   34.74   27.85    24.4   0.073  1454.6
 130.0    1.29    1.28   34.79   27.86    24.0   0.075  1457.0
 140.0    1.61    1.61   34.85   27.89    21.5   0.078  1458.7
 150.0    1.79    1.79   34.87   27.89    21.5   0.080  1459.7
 160.0    1.85    1.84   34.89   27.89    20.9   0.082  1460.1
 170.0    1.97    1.96   34.88   27.88    22.2   0.084  1460.8
 180.0    2.03    2.02   34.92   27.90    20.1   0.086  1461.3
 190.0    2.06    2.05   34.91   27.89    21.1   0.088  1461.5
 200.0    2.07    2.06   34.89   27.88    22.5   0.090  1461.7
 210.0    2.12    2.11   34.90   27.88    22.6   0.093  1462.1
 220.0    2.06    2.05   34.93   27.91    20.0   0.095  1462.1
 230.0    2.07    2.06   34.95   27.92    18.4   0.097  1462.3
 240.0    2.10    2.09   34.94   27.91    19.5   0.099  1462.6
 250.0    2.06    2.05   34.92   27.90    20.4   0.101  1462.6
 260.0    2.14    2.12   34.95   27.92    19.0   0.103  1463.1
 270.0    2.13    2.11   34.94   27.92    19.5   0.105  1463.2
 280.0    2.13    2.11   34.94   27.92    19.5   0.107  1463.4
 290.0    2.10    2.08   34.96   27.93    18.2   0.109  1463.4
 300.0    2.06    2.05   34.96   27.93    18.1   0.110  1463.4
 310.0    2.03    2.01   34.97   27.94    16.9   0.112  1463.5
 320.0    2.01    1.99   34.96   27.94    17.4   0.114  1463.6
 330.0    1.96    1.94   34.95   27.94    17.5   0.116  1463.5
 340.0    1.95    1.93   34.97   27.95    16.5   0.117  1463.6
 350.0    1.94    1.92   34.96   27.94    17.1   0.119  1463.7
 360.0    1.88    1.86   34.96   27.95    16.3   0.121  1463.7
 370.0    1.86    1.83   34.96   27.95    16.4   0.122  1463.7
 380.0    1.78    1.75   34.96   27.95    16.1   0.124  1463.5
 390.0    1.72    1.70   34.94   27.95    16.9   0.126  1463.4
 400.0    1.68    1.66   34.92   27.93    18.5   0.128  1463.4
 410.0    1.69    1.67   34.95   27.96    16.0   0.129  1463.6
 420.0    1.67    1.65   34.96   27.97    15.0   0.131  1463.7
 430.0    1.63    1.61   34.91   27.93    18.8   0.133  1463.6
 440.0    1.62    1.60   34.92   27.94    17.6   0.134  1463.8
 450.0    1.60    1.57   34.95   27.96    15.2   0.136  1463.9
 460.0    1.55    1.53   34.95   27.97    15.2   0.138  1463.8
 470.0    1.50    1.47   34.94   27.96    15.2   0.139  1463.8
 480.0    1.42    1.39   34.93   27.96    15.6   0.141  1463.5
 490.0    1.35    1.32   34.93   27.97    14.7   0.142  1463.4
 500.0    1.27    1.25   34.94   27.98    14.0   0.144  1463.3
 530.0    1.02    0.99   34.91   27.97    14.1   0.148  1462.6
 560.0    0.92    0.89   34.92   27.99    12.4   0.152  1462.6
 590.0    0.79    0.76   34.91   27.99    12.1   0.156  1462.6
 620.0    0.51    0.48   34.92   28.01     9.8   0.159  1461.8
 650.0    0.31    0.29   34.91   28.01     9.3   0.162  1461.4
 680.0    0.12    0.09   34.90   28.02     8.1   0.165  1461.0
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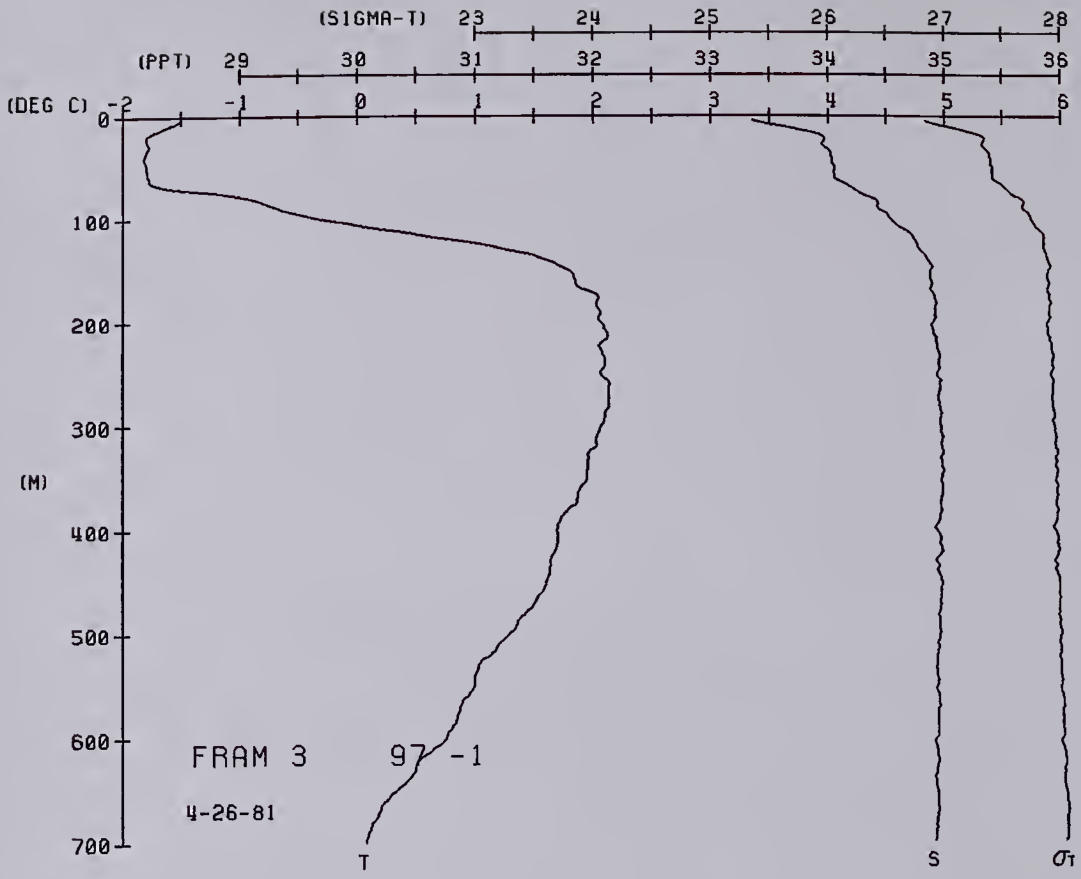
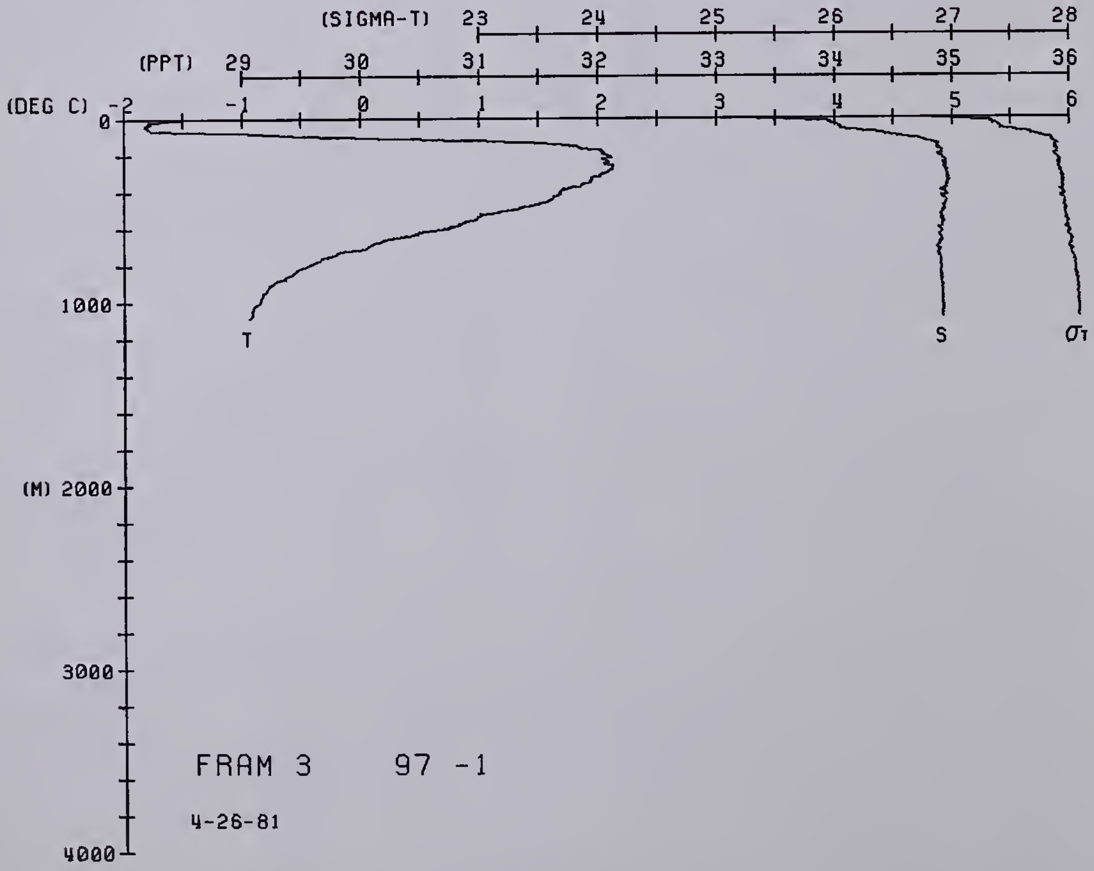


FRAM 3 97 -1

4-26-81



FRAM 3 97 -1

4-26-81

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AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.87   -1.87   34.19   27.52    55.3   0.000   1439.5
   4.0   -1.87   -1.87   34.19   27.52    55.2   0.002   1439.5
   5.0   -1.87   -1.87   34.19   27.52    55.3   0.003   1439.6
  10.0   -1.86   -1.86   34.18   27.52    55.8   0.006   1439.7
  15.0   -1.86   -1.86   34.19   27.52    55.0   0.008   1439.8
  20.0   -1.86   -1.86   34.19   27.53    54.7   0.011   1439.8
  25.0   -1.86   -1.86   34.20   27.53    54.1   0.014   1439.9
  30.0   -1.86   -1.86   34.20   27.53    54.4   0.017   1440.0
  35.0   -1.86   -1.86   34.19   27.52    55.0   0.019   1440.1
  40.0   -1.86   -1.86   34.19   27.52    55.0   0.022   1440.2
  45.0   -1.86   -1.86   34.19   27.52    55.1   0.025   1440.3
  50.0   -1.86   -1.86   34.19   27.53    54.5   0.028   1440.4
  55.0   -1.84   -1.84   34.22   27.54    52.8   0.030   1440.5
  60.0   -1.83   -1.83   34.24   27.57    50.8   0.033   1440.7
  65.0   -1.83   -1.83   34.25   27.57    50.2   0.036   1440.8
  70.0   -1.83   -1.83   34.26   27.58    49.2   0.038   1440.9
  75.0   -1.81   -1.81   34.26   27.58    49.6   0.041   1441.1
  80.0   -1.75   -1.75   34.26   27.58    49.5   0.043   1441.4
  85.0   -1.60   -1.60   34.27   27.59    48.8   0.046   1442.3
  90.0   -1.22   -1.22   34.29   27.59    48.8   0.048   1444.1
  95.0   -0.75   -0.75   34.33   27.60    47.8   0.051   1446.5
 100.0   -0.57   -0.57   34.43   27.67    41.1   0.053   1447.5
 110.0   -0.43   -0.44   34.45   27.68    40.1   0.057   1448.4
 120.0    0.02    0.02   34.49   27.69    39.1   0.061   1450.7
 130.0    0.44    0.44   34.61   27.76    32.4   0.065   1452.9
 140.0    0.70    0.69   34.68   27.80    28.7   0.068   1454.3
 150.0    0.72    0.71   34.70   27.82    27.1   0.070   1454.6
 160.0    0.91    0.90   34.73   27.83    26.1   0.073   1455.7
 170.0    0.99    0.98   34.76   27.85    24.2   0.076   1456.3
 180.0    1.15    1.14   34.78   27.86    23.8   0.078   1457.2
 190.0    1.27    1.26   34.83   27.89    21.2   0.080   1457.9
 200.0    1.30    1.29   34.82   27.88    21.7   0.083   1458.2
 210.0    1.36    1.35   34.84   27.89    20.9   0.085   1458.7
 220.0    1.46    1.45   34.86   27.90    20.5   0.087   1459.3
 230.0    1.52    1.51   34.89   27.92    18.5   0.089   1459.8
 240.0    1.54    1.53   34.89   27.92    18.6   0.091   1460.1
 250.0    1.54    1.53   34.90   27.93    17.7   0.093   1460.3
 260.0    1.54    1.53   34.91   27.94    17.0   0.094   1460.4
 270.0    1.59    1.57   34.92   27.94    17.1   0.096   1460.8
 280.0    1.57    1.55   34.94   27.96    15.4   0.098   1460.9
 290.0    1.55    1.54   34.95   27.96    14.8   0.099   1461.0
 300.0    1.55    1.53   34.94   27.96    14.8   0.101   1461.2
 310.0    1.53    1.52   34.94   27.96    15.1   0.102   1461.2
 320.0    1.50    1.48   34.94   27.96    14.7   0.104   1461.3
 330.0    1.47    1.45   34.95   27.97    14.2   0.105   1461.3
 340.0    1.43    1.41   34.95   27.98    13.6   0.107   1461.3
 350.0    1.40    1.38   34.95   27.98    13.4   0.108   1461.3
 360.0    1.37    1.35   34.95   27.98    13.3   0.109   1461.4
 370.0    1.34    1.32   34.95   27.98    13.3   0.111   1461.4
 380.0    1.31    1.29   34.95   27.98    12.8   0.112   1461.5
 390.0    1.27    1.25   34.95   27.99    12.5   0.113   1461.4
 400.0    1.21    1.19   34.95   27.99    12.2   0.114   1461.3
 410.0    1.13    1.11   34.95   27.99    11.7   0.116   1461.1
 420.0    1.12    1.09   34.94   27.99    12.3   0.117   1461.2
 430.0    1.06    1.04   34.95   28.00    11.5   0.118   1461.2
 440.0    1.00    0.98   34.95   28.01    10.4   0.119   1461.1
 450.0    0.94    0.92   34.95   28.01    10.0   0.120   1461.0
 460.0    0.90    0.88   34.96   28.02     9.3   0.121   1461.0
 470.0    0.85    0.83   34.95   28.02     9.4   0.122   1460.9
 480.0    0.82    0.79   34.95   28.02     9.3   0.123   1460.9
 490.0    0.77    0.74   34.95   28.02     9.1   0.124   1460.8
 500.0    0.70    0.68   34.95   28.02     8.9   0.125   1460.7
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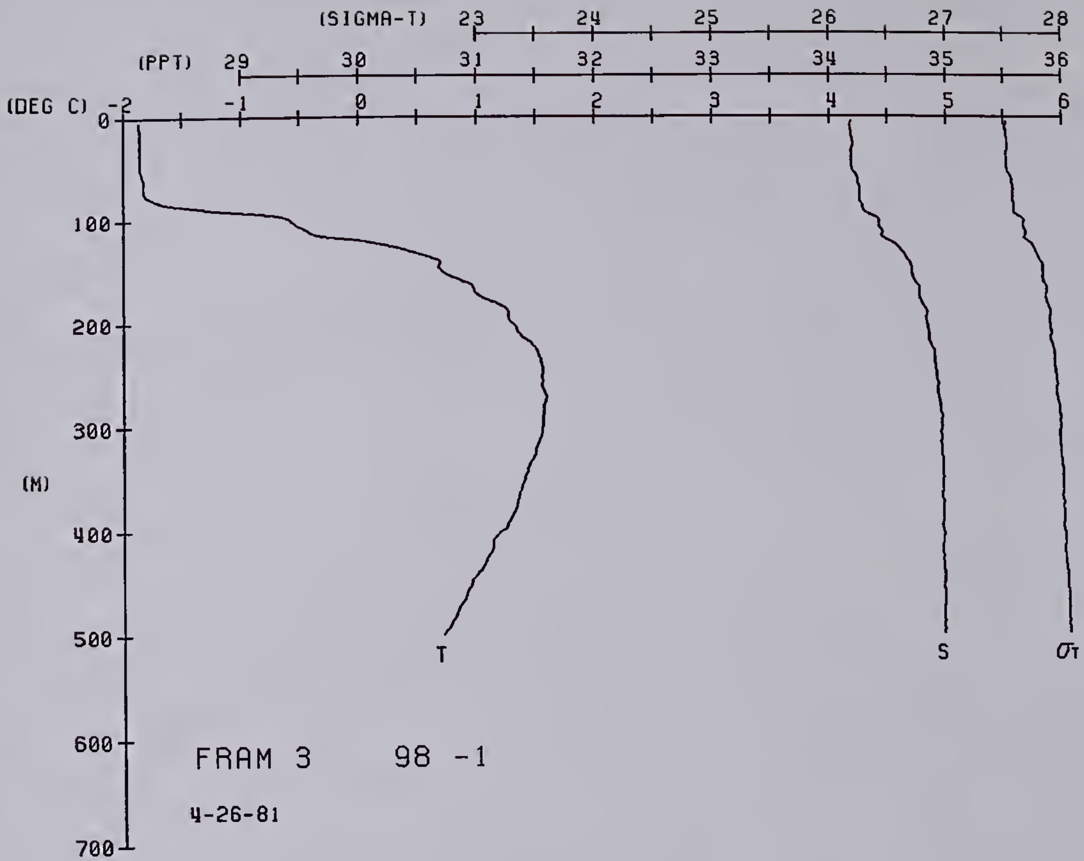
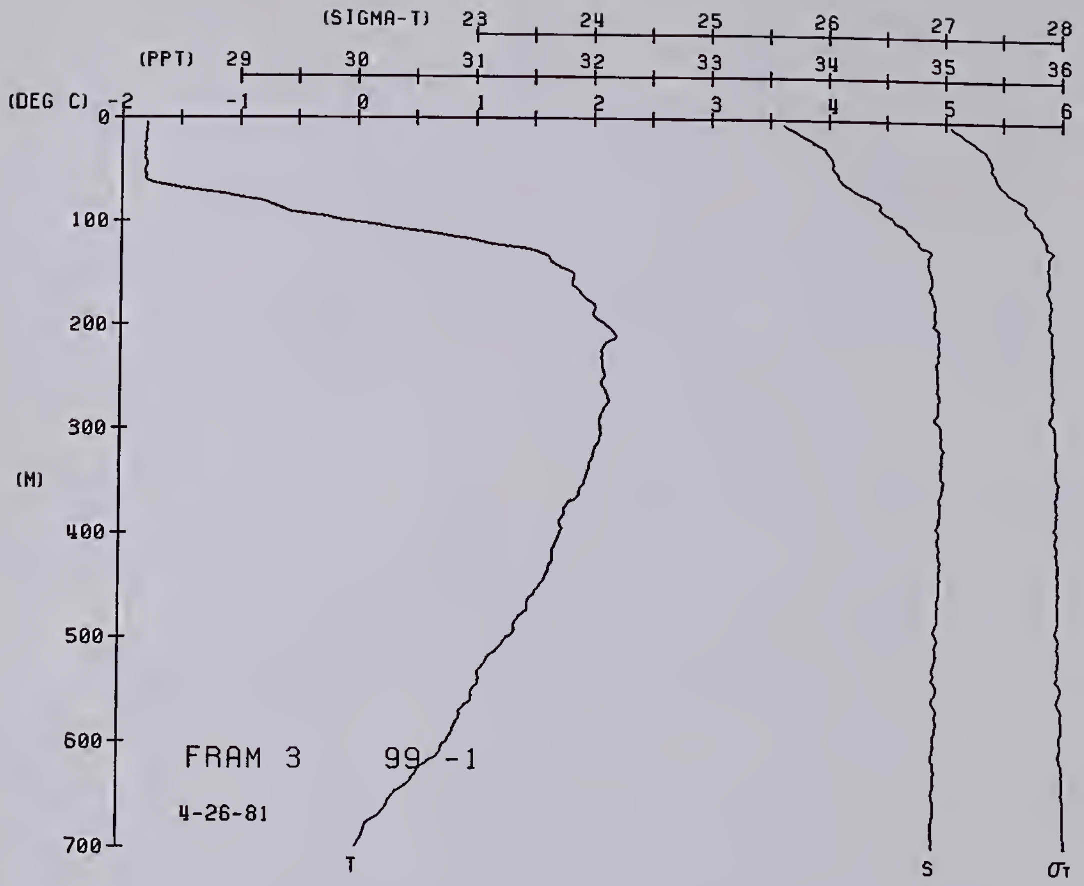

(SIGMA-T)
23
24
25
26
27
28
(PPT)
29
30
31
32
33
34
35
36
(DEG C)
-2
-1
0
1
2
3
4
5
6
0
100
200
300
400
500
600
700
(M)
T
S
σ_T
FRAM 3 98 -1
4-26-81

FRAM 3 STATION 99(1) CTD 26/APR/1981 1307 GMT CODE = 5
LAT = 81.9998N LNG =   5.5883E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.60	27.04	101.0	0.000	1439.0
4.0	-1.79	-1.79	33.60	27.04	101.0	0.004	1439.1
5.0	-1.79	-1.79	33.61	27.05	99.7	0.005	1439.1
10.0	-1.79	-1.79	33.69	27.11	93.9	0.010	1439.3
15.0	-1.79	-1.80	33.77	27.18	87.8	0.015	1439.5
20.0	-1.79	-1.80	33.84	27.24	81.9	0.019	1439.6
25.0	-1.80	-1.80	33.92	27.30	75.7	0.023	1439.8
30.0	-1.80	-1.80	33.98	27.35	71.1	0.027	1440.0
35.0	-1.80	-1.80	34.01	27.38	68.9	0.030	1440.1
40.0	-1.79	-1.80	34.03	27.40	67.1	0.034	1440.3
45.0	-1.78	-1.79	34.03	27.39	67.3	0.037	1440.4
50.0	-1.80	-1.80	34.06	27.42	64.8	0.040	1440.4
55.0	-1.79	-1.80	34.08	27.44	63.1	0.044	1440.6
60.0	-1.79	-1.79	34.12	27.46	60.5	0.047	1440.7
65.0	-1.66	-1.66	34.18	27.51	56.4	0.050	1441.5
70.0	-1.39	-1.39	34.25	27.56	51.3	0.052	1443.0
75.0	-1.09	-1.09	34.35	27.63	44.5	0.055	1444.6
80.0	-0.84	-0.84	34.44	27.69	39.1	0.057	1446.0
85.0	-0.70	-0.70	34.44	27.69	39.3	0.059	1446.7
90.0	-0.59	-0.59	34.48	27.72	36.5	0.061	1447.4
95.0	-0.31	-0.31	34.55	27.76	32.9	0.063	1448.8
100.0	-0.06	-0.07	34.61	27.79	29.6	0.064	1450.1
110.0	0.54	0.54	34.71	27.84	25.3	0.067	1453.2
120.0	1.07	1.07	34.78	27.86	23.2	0.069	1455.8
130.0	1.57	1.56	34.86	27.89	20.8	0.072	1458.3
140.0	1.66	1.66	34.86	27.88	21.6	0.074	1458.9
150.0	1.83	1.83	34.88	27.89	21.3	0.076	1459.8
160.0	1.83	1.82	34.87	27.88	21.8	0.078	1460.0
170.0	1.91	1.90	34.90	27.90	20.5	0.080	1460.5
180.0	2.02	2.01	34.92	27.91	19.8	0.082	1461.2
190.0	2.01	2.00	34.91	27.90	20.5	0.084	1461.3
200.0	2.13	2.12	34.93	27.90	20.4	0.086	1462.0
210.0	2.20	2.19	34.94	27.91	19.6	0.088	1462.5
220.0	2.09	2.08	34.94	27.92	18.8	0.090	1462.2
230.0	2.08	2.06	34.94	27.92	18.7	0.092	1462.3
240.0	2.08	2.07	34.93	27.91	19.6	0.094	1462.5
250.0	2.09	2.08	34.93	27.91	20.0	0.096	1462.7
260.0	2.10	2.09	34.94	27.91	19.7	0.098	1462.9
270.0	2.14	2.12	34.95	27.92	19.0	0.100	1463.3
280.0	2.09	2.08	34.94	27.92	19.2	0.102	1463.2
290.0	2.06	2.04	34.92	27.91	20.5	0.104	1463.2
300.0	2.07	2.05	34.97	27.94	17.2	0.106	1463.5
310.0	2.05	2.03	34.96	27.94	17.4	0.108	1463.6
320.0	2.01	1.99	34.98	27.95	16.2	0.109	1463.6
330.0	1.98	1.96	34.97	27.95	16.6	0.111	1463.6
340.0	1.96	1.94	34.96	27.94	17.0	0.113	1463.7
350.0	1.93	1.92	34.98	27.96	15.3	0.114	1463.7
360.0	1.88	1.86	34.97	27.96	16.0	0.116	1463.7
370.0	1.80	1.78	34.96	27.95	16.2	0.118	1463.5
380.0	1.76	1.74	34.95	27.95	16.2	0.119	1463.5
390.0	1.73	1.71	34.93	27.94	17.4	0.121	1463.4
400.0	1.73	1.70	34.95	27.95	16.4	0.123	1463.6
410.0	1.69	1.66	34.95	27.95	16.3	0.124	1463.6
420.0	1.66	1.64	34.95	27.96	16.0	0.126	1463.7
430.0	1.64	1.62	34.95	27.96	15.4	0.128	1463.7
440.0	1.60	1.58	34.95	27.96	15.4	0.129	1463.7
450.0	1.55	1.52	34.95	27.97	15.1	0.131	1463.7
460.0	1.49	1.46	34.94	27.96	15.4	0.132	1463.5
470.0	1.46	1.43	34.94	27.96	15.4	0.134	1463.6
480.0	1.38	1.36	34.93	27.96	15.3	0.135	1463.4
490.0	1.35	1.32	34.91	27.95	16.4	0.137	1463.4
500.0	1.27	1.25	34.94	27.98	14.0	0.138	1463.3
530.0	1.05	1.02	34.89	27.96	15.5	0.143	1462.7
560.0	0.97	0.94	34.90	27.96	14.9	0.148	1462.8
590.0	0.82	0.80	34.91	27.99	12.5	0.152	1462.7
620.0	0.59	0.56	34.91	28.00	11.3	0.155	1462.2
650.0	0.33	0.30	34.89	28.00	10.3	0.159	1461.5
680.0	0.10	0.07	34.89	28.01	9.3	0.162	1460.9
710.0	-0.14	-0.17	34.89	28.03	7.2	0.164	1460.3
740.0	-0.25	-0.28	34.89	28.03	6.4	0.166	1460.3
790.0	-0.42	-0.45	34.89	28.04	5.1	0.169	1460.4
840.0	-0.59	-0.62	34.90	28.05	3.8	0.171	1460.4
890.0	-0.69	-0.73	34.90	28.06	2.7	0.173	1460.8
940.0	-0.79	-0.83	34.89	28.06	2.4	0.174	1461.2
990.0	-0.85	-0.88	34.90	28.07	1.1	0.175	1461.8
1040.0	-0.90	-0.94	34.91	28.07	0.3	0.176	1462.4
1089.3	-0.92	-0.96	34.92	28.08	-0.6	0.175	1463.1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(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
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200
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400
500
600
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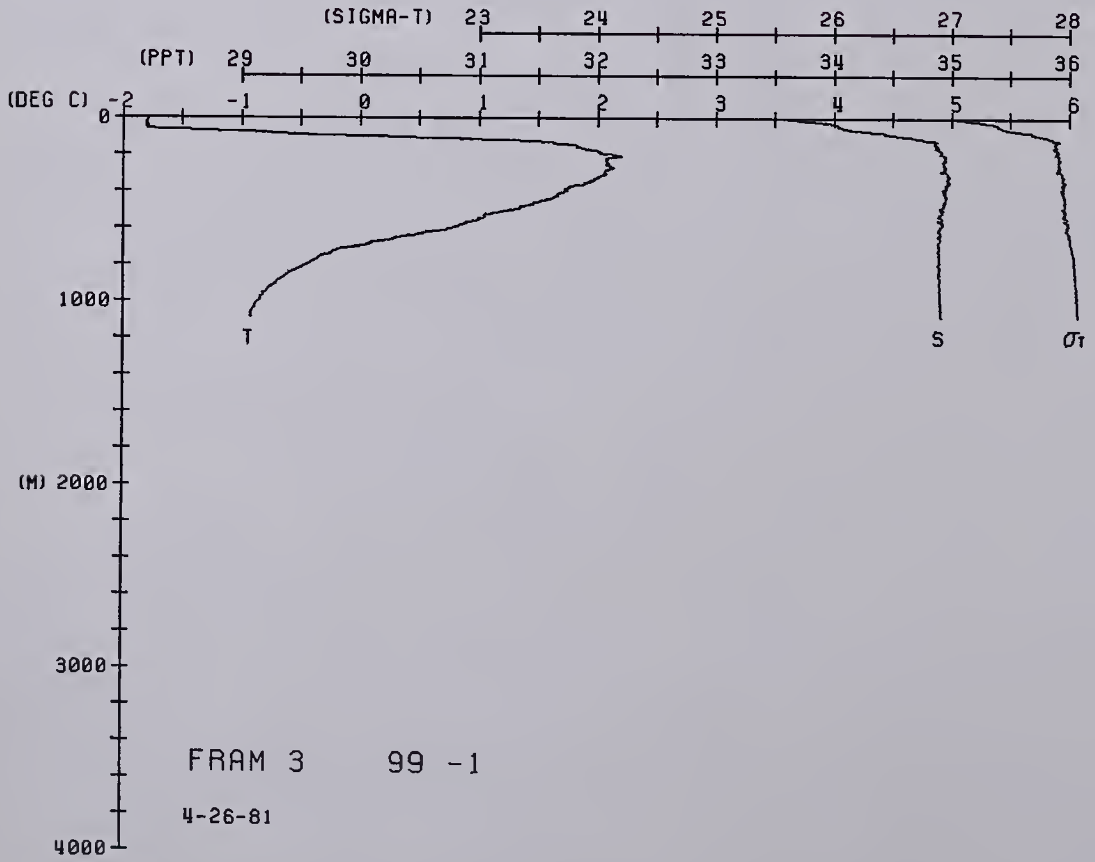
T
S
σT
FRAM 3 99 -1
4-26-81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3000
4000
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S
σT
FRAM 3 99 -1
4-26-81

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AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.89  -1.89   34.31   27.63    45.5   0.000  1439.5
   4.0  -1.89  -1.90   34.31   27.63    45.5   0.002  1439.6
   5.0  -1.90  -1.90   34.32   27.63    45.4   0.002  1439.6
  10.0  -1.90  -1.90   34.32   27.63    44.7   0.005  1439.7
  15.0  -1.90  -1.90   34.33   27.64    43.9   0.007  1439.8
  20.0  -1.90  -1.90   34.33   27.64    43.9   0.009  1439.8
  25.0  -1.90  -1.90   34.33   27.64    43.9   0.011  1439.9
  30.0  -1.90  -1.91   34.33   27.64    43.7   0.013  1440.0
  35.0  -1.90  -1.91   34.35   27.65    42.8   0.016  1440.1
  40.0  -1.90  -1.91   34.35   27.65    42.5   0.018  1440.2
  45.0  -1.89  -1.90   34.36   27.66    41.9   0.020  1440.3
  50.0  -1.87  -1.87   34.36   27.66    42.0   0.022  1440.5
  55.0  -1.84  -1.84   34.36   27.67    41.4   0.024  1440.7
  60.0  -1.75  -1.75   34.36   27.66    42.0   0.026  1441.3
  65.0  -1.21  -1.21   34.36   27.64    43.6   0.028  1443.9
  70.0  -0.66  -0.66   34.40   27.65    43.0   0.031  1446.6
  75.0  -0.47  -0.47   34.43   27.67    41.0   0.033  1447.6
  80.0  -0.26  -0.27   34.50   27.72    36.6   0.035  1448.7
  85.0  -0.09  -0.09   34.54   27.74    34.4   0.036  1449.7
  90.0   0.17   0.17   34.60   27.78    31.3   0.038  1451.0
  95.0   0.33   0.32   34.63   27.79    30.4   0.040  1451.8
 100.0   0.48   0.47   34.66   27.81    28.2   0.041  1452.7
 110.0   1.02   1.01   34.72   27.82    27.5   0.044  1455.3
 120.0   1.56   1.56   34.86   27.89    20.6   0.046  1458.1
 130.0   1.64   1.63   34.88   27.91    19.4   0.048  1458.7
 140.0   1.78   1.77   34.90   27.91    19.1   0.050  1459.5
 150.0   1.99   1.98   34.94   27.92    18.0   0.052  1460.6
 160.0   2.05   2.05   34.96   27.94    16.8   0.054  1461.1
 170.0   2.01   2.01   34.96   27.94    16.8   0.056  1461.1
 180.0   2.08   2.07   34.97   27.94    16.8   0.057  1461.5
 190.0   2.12   2.11   34.99   27.95    15.5   0.059  1461.9
 200.0   2.11   2.10   34.99   27.95    15.6   0.061  1462.0
 210.0   2.11   2.10   34.99   27.96    15.2   0.062  1462.2
 220.0   2.11   2.09   35.00   27.96    14.6   0.064  1462.4
 230.0   2.13   2.11   35.01   27.97    13.9   0.065  1462.6
 240.0   2.12   2.10   35.01   27.97    14.0   0.067  1462.8
 250.0   2.10   2.09   35.01   27.97    14.3   0.068  1462.8
 260.0   2.09   2.07   35.02   27.98    13.5   0.069  1463.0
 270.0   2.06   2.05   35.01   27.97    13.9   0.071  1463.0
 280.0   1.99   1.98   35.03   28.00    11.9   0.072  1462.9
 290.0   1.90   1.88   35.00   27.98    13.2   0.073  1462.6
 300.0   1.82   1.80   35.00   27.99    12.6   0.075  1462.4
 310.0   1.74   1.72   34.98   27.98    13.4   0.076  1462.2
 320.0   1.73   1.72   34.99   27.98    13.1   0.077  1462.4
 330.0   1.67   1.65   35.00   28.00    11.7   0.079  1462.3
 340.0   1.59   1.57   34.99   28.00    11.7   0.080  1462.1
 350.0   1.50   1.49   34.99   28.00    11.5   0.081  1461.9
 360.0   1.46   1.45   34.98   28.00    11.5   0.082  1461.8
 370.0   1.45   1.43   34.99   28.00    11.3   0.083  1461.9
 380.0   1.39   1.37   34.99   28.01    10.9   0.084  1461.9
 390.0   1.38   1.36   34.99   28.01    10.5   0.085  1462.0
 400.0   1.31   1.29   34.99   28.02    10.0   0.087  1461.8
 410.0   1.26   1.24   34.98   28.01    10.4   0.088  1461.8
 420.0   1.20   1.17   34.98   28.02     9.7   0.089  1461.6
 430.0   1.09   1.07   34.97   28.02     9.6   0.090  1461.3
 440.0   1.07   1.05   34.97   28.02     9.7   0.091  1461.4
 450.0   0.98   0.96   34.97   28.03     8.8   0.091  1461.2
 460.0   0.93   0.91   34.96   28.02     9.3   0.092  1461.1
 470.0   0.86   0.83   34.96   28.02     8.8   0.093  1460.9
 480.0   0.79   0.77   34.95   28.02     8.8   0.094  1460.8
 490.0   0.74   0.71   34.96   28.03     7.8   0.095  1460.7
 498.0   0.63   0.60   34.96   28.04     7.4   0.096  1460.3
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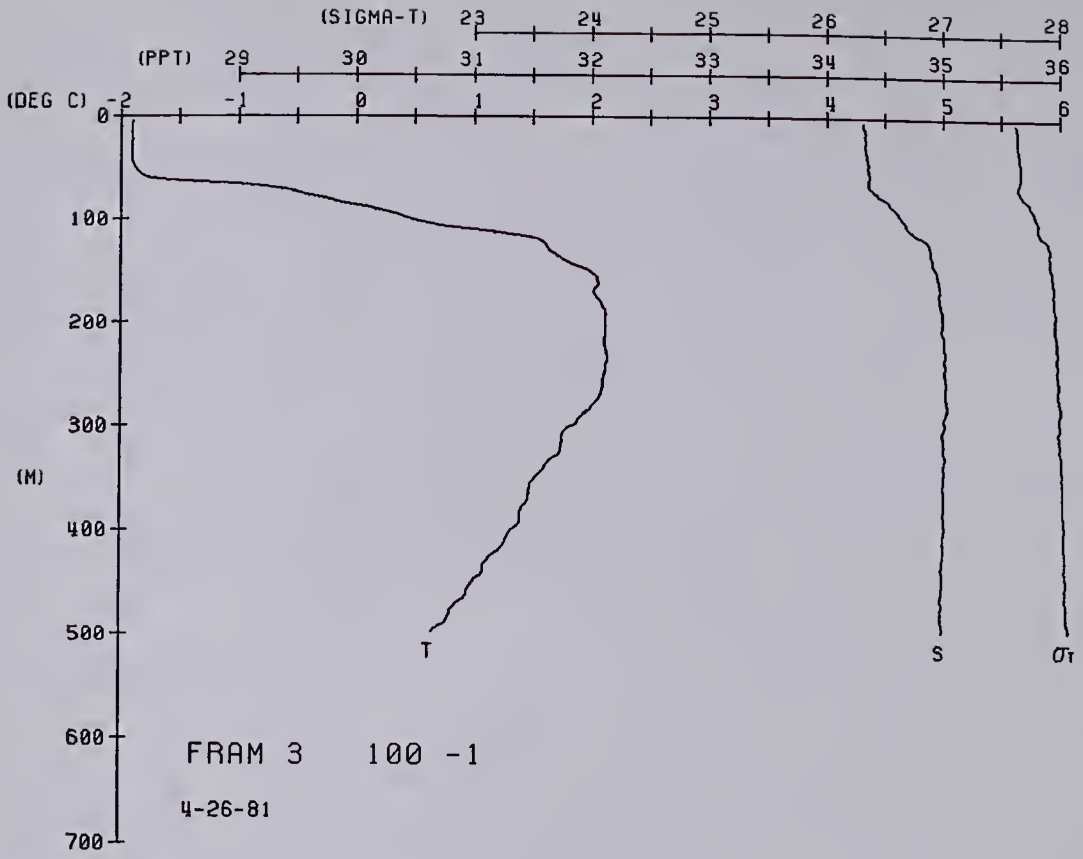

FRAM 3 100 -1

4-26-81

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                                                FRAM 3  STATION 101(1) CTD  26/APR/1981 1419 GMT  CODE = 5
                                                LAT = 81.9945N LNG =   5.5827E LTER =    30. LGER =    30.
                                                AIR TEMP =    0.0 BARUM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND             DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.80  -1.80   34.05   27.41    66.2   0.000   1439.6             710.0  -0.10  -0.13   34.90   28.03     7.0   0.154   1460.5
   4.0  -1.80  -1.81   34.05   27.41    66.2   0.003   1439.6             740.0  -0.26  -0.29   34.89   28.03     6.3   0.156   1460.3
   5.0  -1.80  -1.80   34.05   27.41    65.8   0.003   1439.7             790.0  -0.46  -0.49   34.90   28.05     4.4   0.159   1460.2
  10.0  -1.79  -1.80   34.08   27.43    64.0   0.007   1439.8             840.0  -0.57  -0.61   34.90   28.05     3.8   0.161   1460.5
  15.0  -1.80  -1.80   34.09   27.44    63.0   0.010   1439.9             890.0  -0.68  -0.71   34.90   28.06     2.6   0.163   1460.9
  20.0  -1.79  -1.80   34.05   27.40    66.3   0.013   1439.9             940.0  -0.81  -0.85   34.90   28.06     1.7   0.164   1461.1
  25.0  -1.79  -1.79   34.04   27.40    66.7   0.016   1440.0             990.0  -0.90  -0.94   34.91   28.07     0.4   0.164   1461.6
  30.0  -1.79  -1.80   34.07   27.42    64.6   0.020   1440.1            1033.2  -0.91  -0.95   34.91   28.07     0.4   0.164   1462.2
  35.0  -1.80  -1.80   34.07   27.43    64.1   0.023   1440.2
  40.0  -1.81  -1.81   34.09   27.44    63.0   0.026   1440.3
  45.0  -1.83  -1.83   34.11   27.46    61.2   0.029   1440.3
  50.0  -1.81  -1.81   34.08   27.43    63.6   0.033   1440.4
  55.0  -1.81  -1.81   34.09   27.44    62.3   0.036   1440.5
  60.0  -1.77  -1.77   34.13   27.47    59.8   0.039   1440.9
  65.0  -1.69  -1.69   34.17   27.50    56.7   0.042   1441.4
  70.0  -1.51  -1.51   34.24   27.55    52.1   0.045   1442.4
  75.0  -1.19  -1.19   34.33   27.62    45.8   0.047   1444.1
  80.0  -0.92  -0.92   34.39   27.66    42.2   0.049   1445.5
  85.0  -0.74  -0.74   34.45   27.70    38.1   0.051   1446.5
  90.0  -0.62  -0.62   34.47   27.71    37.2   0.053   1447.2
  95.0  -0.34  -0.34   34.56   27.77    31.6   0.055   1448.7
 100.0   0.02   0.02   34.61   27.79    30.0   0.056   1450.5
 110.0   0.89   0.88   34.70   27.81    28.1   0.059   1454.7
 120.0   1.43   1.42   34.84   27.89    21.3   0.062   1457.5
 130.0   1.61   1.61   34.86   27.89    21.4   0.064   1458.5
 140.0   1.83   1.82   34.89   27.89    20.7   0.066   1459.7
 150.0   1.90   1.90   34.90   27.90    20.5   0.068   1460.2
 160.0   1.83   1.82   34.87   27.88    21.8   0.070   1460.0
 170.0   1.88   1.87   34.89   27.89    20.9   0.073   1460.4
 180.0   2.00   1.99   34.92   27.91    19.4   0.075   1461.1
 190.0   2.06   2.05   34.94   27.92    18.9   0.077   1461.6
 200.0   2.16   2.15   34.95   27.92    19.0   0.078   1462.2
 210.0   2.15   2.14   34.95   27.92    19.0   0.080   1462.3
 220.0   2.09   2.08   34.94   27.92    19.1   0.082   1462.2
 230.0   2.09   2.08   34.94   27.92    19.0   0.084   1462.4
 240.0   2.10   2.09   34.94   27.92    19.2   0.086   1462.6
 250.0   2.13   2.11   34.96   27.93    18.3   0.088   1462.9
 260.0   2.10   2.09   34.96   27.93    18.3   0.090   1462.9
 270.0   2.08   2.06   34.96   27.93    18.2   0.092   1463.0
 280.0   2.06   2.05   34.96   27.93    17.7   0.094   1463.1
 290.0   2.06   2.04   34.96   27.93    17.8   0.095   1463.3
 300.0   2.06   2.04   34.96   27.93    17.8   0.097   1463.4
 310.0   2.05   2.03   34.97   27.94    17.0   0.099   1463.5
 320.0   2.03   2.01   34.96   27.93    18.0   0.101   1463.6
 330.0   1.99   1.97   34.96   27.94    17.2   0.102   1463.6
 340.0   1.97   1.95   34.96   27.94    17.3   0.104   1463.7
 350.0   1.98   1.96   34.97   27.95    16.9   0.106   1463.9
 360.0   1.96   1.94   34.97   27.95    16.8   0.108   1464.0
 370.0   1.92   1.90   34.96   27.95    17.0   0.109   1464.0
 380.0   1.83   1.80   34.96   27.95    16.6   0.111   1463.7
 390.0   1.76   1.74   34.95   27.95    16.6   0.113   1463.6
 400.0   1.75   1.73   34.96   27.96    15.9   0.114   1463.8
 410.0   1.72   1.69   34.95   27.95    16.2   0.116   1463.7
 420.0   1.69   1.67   34.95   27.96    15.9   0.118   1463.8
 430.0   1.67   1.65   34.95   27.96    16.0   0.119   1463.9
 440.0   1.63   1.61   34.95   27.96    15.3   0.121   1463.9
 450.0   1.59   1.56   34.95   27.96    15.5   0.122   1463.8
 460.0   1.57   1.54   34.94   27.96    15.8   0.124   1463.9
 470.0   1.52   1.49   34.95   27.97    15.1   0.126   1463.9
 480.0   1.41   1.39   34.93   27.96    15.3   0.127   1463.5
 490.0   1.32   1.29   34.92   27.96    15.6   0.129   1463.2
 500.0   1.27   1.24   34.93   27.97    14.4   0.130   1463.2
 530.0   1.02   1.00   34.90   27.97    14.5   0.135   1462.6
 560.0   0.95   0.92   34.91   27.98    13.4   0.139   1462.8
 590.0   0.74   0.71   34.91   27.99    12.2   0.143   1462.3
 620.0   0.52   0.50   34.91   28.00    10.7   0.146   1461.9
 650.0   0.28   0.25   34.90   28.01     9.3   0.149   1461.2
 680.0   0.07   0.04   34.90   28.02     8.2   0.152   1460.8
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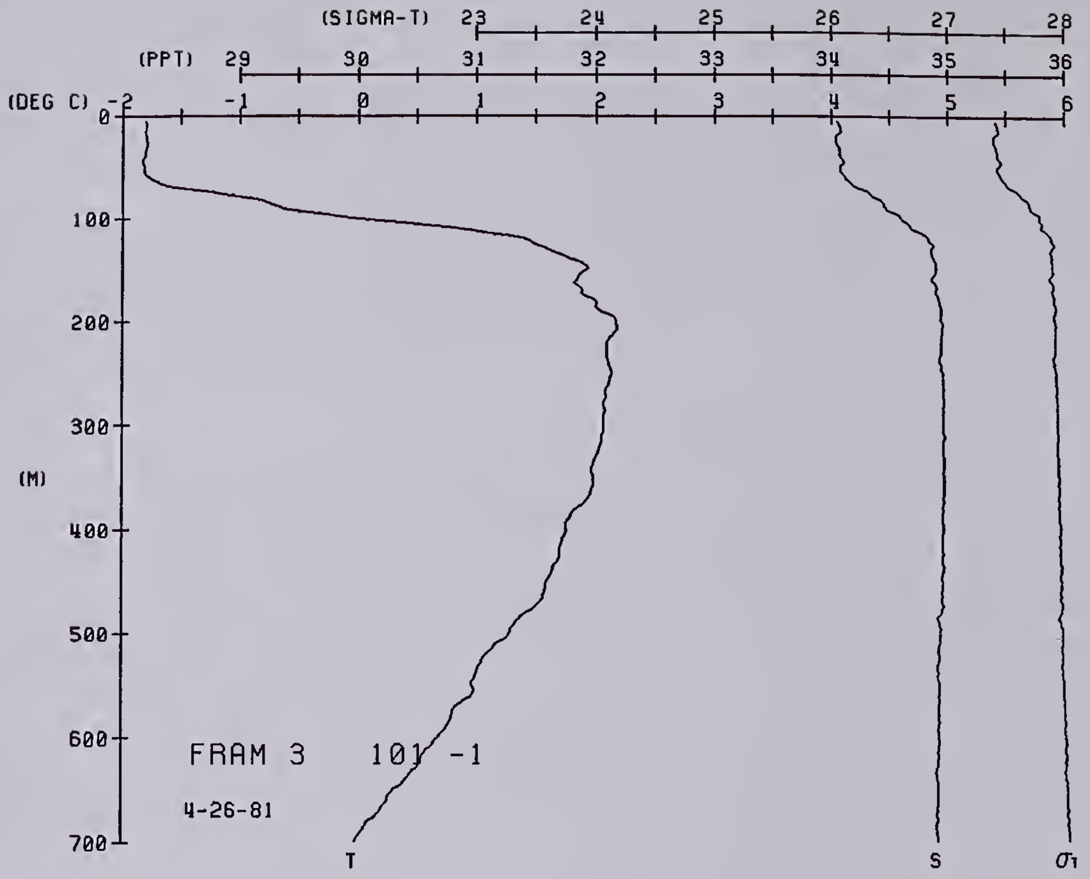
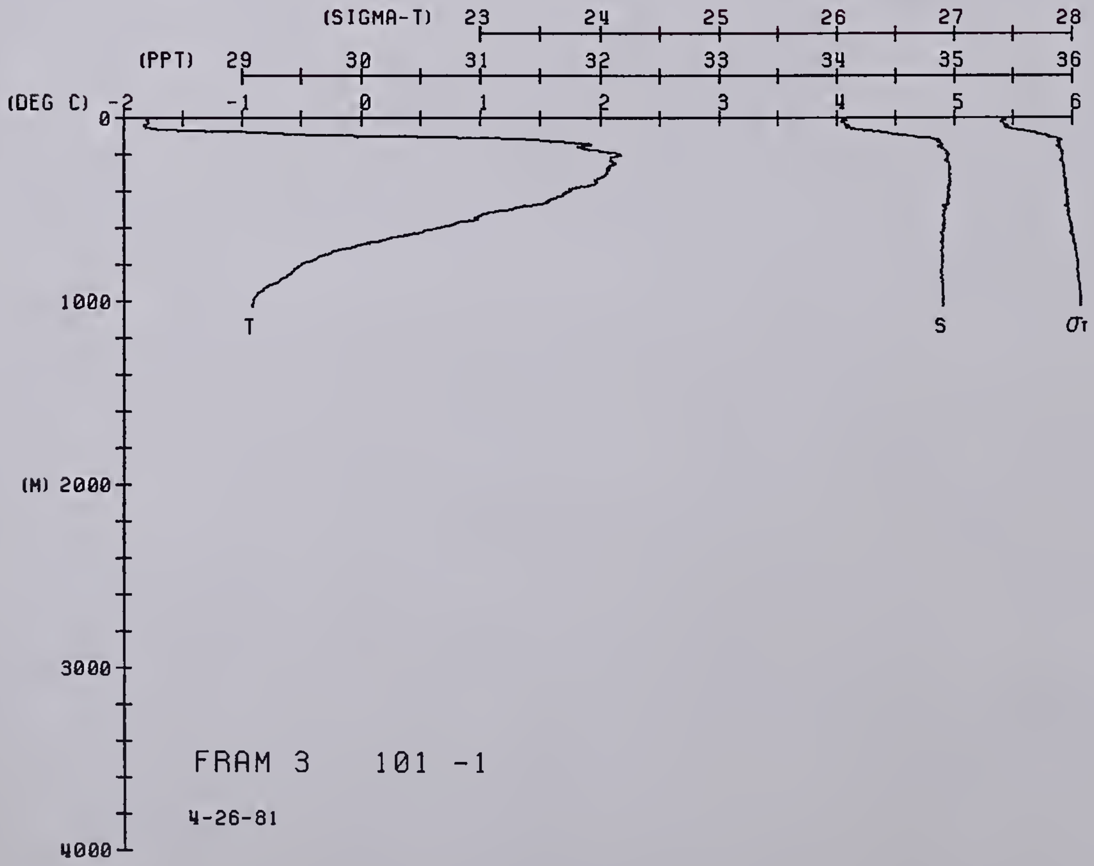


FRAM 3 101 -1

4-26-81



FRAM 3 101 -1

4-26-81

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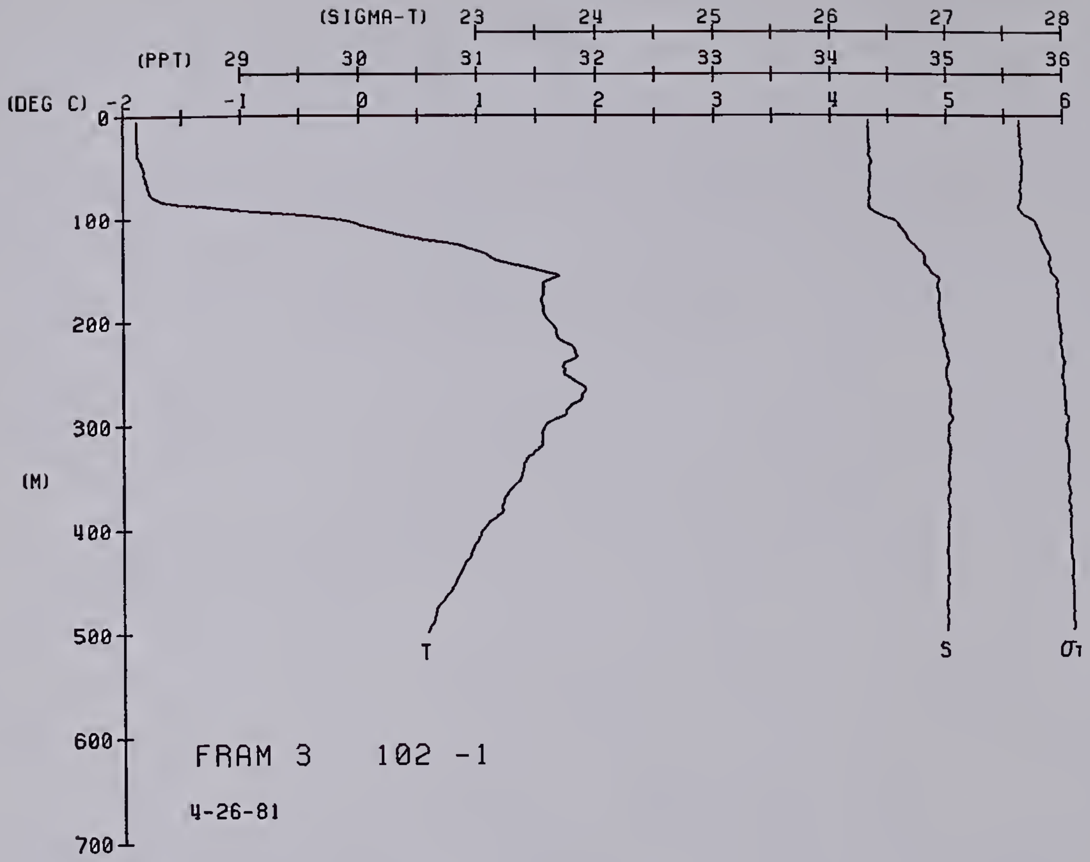
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.88   -1.88   34.33   27.63    44.7   0.000   1439.6
   4.0   -1.88   -1.88   34.33   27.63    44.7   0.002   1439.7
   5.0   -1.88   -1.88   34.33   27.63    44.6   0.002   1439.7
  10.0   -1.88   -1.88   34.33   27.63    44.6   0.005   1439.8
  15.0   -1.88   -1.88   34.33   27.64    44.3   0.007   1439.9
  20.0   -1.88   -1.88   34.33   27.64    44.4   0.009   1439.9
  25.0   -1.88   -1.88   34.33   27.64    44.4   0.011   1440.0
  30.0   -1.88   -1.88   34.33   27.64    43.9   0.013   1440.1
  35.0   -1.87   -1.87   34.33   27.64    43.7   0.016   1440.2
  40.0   -1.87   -1.87   34.34   27.65    43.3   0.018   1440.3
  45.0   -1.84   -1.84   34.35   27.66    42.2   0.020   1440.6
  50.0   -1.83   -1.83   34.34   27.64    43.4   0.022   1440.7
  55.0   -1.82   -1.82   34.34   27.65    43.3   0.024   1440.8
  60.0   -1.81   -1.81   34.34   27.65    43.2   0.027   1440.9
  65.0   -1.79   -1.80   34.34   27.64    43.6   0.029   1441.1
  70.0   -1.78   -1.79   34.33   27.64    43.9   0.031   1441.2
  75.0   -1.77   -1.77   34.33   27.64    43.8   0.033   1441.4
  80.0   -1.73   -1.73   34.33   27.64    43.8   0.035   1441.7
  85.0   -1.57   -1.58   34.33   27.63    44.6   0.038   1442.5
  90.0   -1.15   -1.15   34.33   27.62    45.7   0.040   1444.6
  95.0   -0.69   -0.69   34.39   27.65    43.2   0.042   1446.9
 100.0   -0.21   -0.22   34.51   27.72    36.4   0.044   1449.3
 110.0    0.13    0.12   34.61   27.78    30.4   0.048   1451.2
 120.0    0.53    0.52   34.66   27.80    28.6   0.051   1453.2
 130.0    0.97    0.96   34.75   27.85    24.7   0.053   1455.5
 140.0    1.14    1.14   34.80   27.88    22.1   0.056   1456.5
 150.0    1.50    1.49   34.85   27.89    21.1   0.058   1458.3
 160.0    1.61    1.60   34.93   27.94    16.0   0.060   1459.1
 170.0    1.55    1.54   34.92   27.94    16.1   0.061   1459.0
 180.0    1.54    1.53   34.92   27.94    16.0   0.063   1459.1
 190.0    1.56    1.55   34.92   27.94    16.1   0.065   1459.3
 200.0    1.61    1.60   34.93   27.95    15.7   0.066   1459.8
 210.0    1.66    1.65   34.96   27.97    14.2   0.068   1460.2
 220.0    1.73    1.72   34.96   27.96    14.7   0.069   1460.7
 230.0    1.82    1.81   34.98   27.97    13.7   0.071   1461.2
 240.0    1.74    1.73   35.00   27.99    11.8   0.072   1461.1
 250.0    1.73    1.72   34.98   27.98    13.3   0.073   1461.2
 260.0    1.85    1.84   35.00   27.98    13.1   0.074   1461.9
 270.0    1.88    1.86   35.01   27.99    12.6   0.076   1462.2
 280.0    1.79    1.78   35.01   28.00    11.5   0.077   1462.0
 290.0    1.73    1.72   35.01   28.00    11.2   0.078   1461.9
 300.0    1.57    1.55   35.00   28.00    10.9   0.079   1461.3
 310.0    1.53    1.52   34.99   28.00    11.1   0.080   1461.3
 320.0    1.53    1.51   35.00   28.01    10.6   0.081   1461.5
 330.0    1.43    1.41   35.00   28.02     9.9   0.083   1461.2
 340.0    1.38    1.36   34.99   28.01    10.2   0.084   1461.1
 350.0    1.36    1.34   35.00   28.02     9.7   0.085   1461.2
 360.0    1.28    1.26   34.99   28.02     9.6   0.086   1461.0
 370.0    1.22    1.20   34.99   28.02     9.4   0.086   1460.9
 380.0    1.20    1.18   34.99   28.03     8.9   0.087   1461.0
 390.0    1.13    1.11   34.99   28.03     8.3   0.088   1460.8
 400.0    1.04    1.02   34.98   28.03     8.6   0.089   1460.6
 410.0    1.00    0.98   34.98   28.03     8.3   0.090   1460.6
 420.0    0.94    0.92   34.97   28.03     8.6   0.091   1460.5
 430.0    0.89    0.87   34.98   28.04     7.5   0.092   1460.5
 440.0    0.85    0.83   34.98   28.04     7.4   0.092   1460.4
 450.0    0.80    0.78   34.97   28.04     7.5   0.093   1460.4
 460.0    0.75    0.73   34.97   28.04     7.3   0.094   1460.3
 470.0    0.68    0.66   34.97   28.04     7.1   0.095   1460.1
 480.0    0.63    0.61   34.97   28.05     6.5   0.095   1460.1
 490.0    0.61    0.58   34.97   28.05     6.3   0.096   1460.1
 499.0    0.56    0.54   34.96   28.04     6.7   0.097   1460.1
```


(SIGMA-T)
23
24
25
26
27
28
(PPT)
29
30
31
32
33
34
35
36
(DEG C)
-2
-1
0
1
2
3
4
5
6
0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 102 -1
4-26-81

```
                                                   FRAM 3  STATION 103(1) CTD  26/APR/1981 2042 GMT  CODE = 5
                                                   LAT = 81.9693N LNG =    5.5552E LTER =    30. LGER =    30.
                                                   AIR TEMP =    0.0 BAROM =    0.0 WIND =    0.0 SPEED =    0.0

  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND                 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.79   -1.79   33.86   27.26    80.4   0.000  1439.4                 710.0   -0.13   -0.15   34.89   28.03     7.2   0.157  1460.4
    5.0   -1.79   -1.79   33.86   27.26    80.4   0.004  1439.5                 740.0   -0.25   -0.28   34.90   28.03     6.1   0.159  1460.3
   10.0   -1.79   -1.79   33.86   27.26    80.3   0.008  1439.5                 790.0   -0.49   -0.52   34.90   28.05     4.0   0.161  1460.1
   15.0   -1.79   -1.79   33.86   27.26    80.3   0.012  1439.6                 840.0   -0.66   -0.70   34.89   28.05     3.4   0.163  1460.1
   20.0   -1.79   -1.79   33.86   27.26    80.3   0.016  1439.7                 890.0   -0.84   -0.88   34.91   28.08     0.7   0.164  1460.1
   25.0   -1.79   -1.79   33.86   27.26    80.2   0.020  1439.8                 940.0   -0.88   -0.92   34.92   28.08    -0.1   0.164  1460.8
   25.7   -1.79   -1.79   33.86   27.26    80.2   0.021  1439.8                 973.2   -0.88   -0.92   34.92   28.08    -0.3   0.164  1461.4
   30.0   -1.82   -1.82   33.99   27.36    70.7   0.024  1439.9
   35.0   -1.79   -1.79   34.03   27.39    67.7   0.028  1440.2
   40.0   -1.77   -1.78   34.05   27.40    66.1   0.031  1440.4
   45.0   -1.80   -1.80   34.09   27.44    62.8   0.034  1440.4
   50.0   -1.80   -1.80   34.08   27.43    63.8   0.037  1440.4
   55.0   -1.76   -1.76   34.12   27.46    60.4   0.041  1440.8
   60.0   -1.62   -1.62   34.17   27.50    56.8   0.044  1441.6
   65.0   -1.46   -1.46   34.22   27.53    53.8   0.046  1442.5
   70.0   -1.20   -1.20   34.27   27.57    50.5   0.049  1443.9
   75.0   -0.97   -0.97   34.35   27.62    45.4   0.051  1445.1
   80.0   -0.73   -0.73   34.29   27.57    50.6   0.054  1446.3
   85.0   -0.65   -0.65   34.36   27.62    45.4   0.056  1446.8
   90.0   -0.57   -0.57   34.46   27.70    38.4   0.058  1447.4
   95.0   -0.30   -0.30   34.54   27.75    33.7   0.060  1448.9
  100.0    0.03    0.03   34.60   27.78    30.4   0.062  1450.5
  110.0    0.50    0.50   34.71   27.85    24.6   0.065  1453.0
  120.0    1.11    1.10   34.82   27.89    20.6   0.067  1456.1
  130.0    1.67    1.67   34.86   27.89    21.3   0.069  1458.8
  140.0    1.81    1.81   34.86   27.88    22.4   0.071  1459.6
  150.0    1.86    1.86   34.88   27.89    21.2   0.073  1460.0
  160.0    2.02    2.01   34.92   27.90    20.0   0.076  1460.9
  170.0    2.06    2.05   34.91   27.89    21.2   0.078  1461.2
  180.0    2.08    2.07   34.92   27.90    20.6   0.080  1461.5
  190.0    2.09    2.08   34.92   27.90    20.7   0.082  1461.7
  200.0    2.07    2.06   34.93   27.91    19.5   0.084  1461.8
  210.0    2.01    2.00   34.92   27.91    19.6   0.086  1461.7
  220.0    2.01    2.00   34.92   27.91    20.0   0.088  1461.8
  230.0    2.05    2.03   34.94   27.92    19.1   0.090  1462.2
  240.0    2.04    2.02   34.93   27.91    19.7   0.092  1462.3
  250.0    2.07    2.06   34.95   27.93    18.2   0.094  1462.7
  260.0    2.10    2.09   34.94   27.91    19.5   0.096  1462.9
  270.0    2.11    2.10   34.96   27.93    17.9   0.098  1463.2
  280.0    2.12    2.11   34.97   27.94    17.2   0.099  1463.4
  290.0    2.12    2.10   34.97   27.93    17.8   0.101  1463.5
  300.0    2.10    2.08   34.97   27.94    17.5   0.103  1463.6
  310.0    2.05    2.03   34.96   27.93    17.8   0.105  1463.6
  320.0    2.00    1.98   34.97   27.94    16.9   0.106  1463.5
  330.0    1.91    1.89   34.95   27.94    17.3   0.108  1463.3
  340.0    1.87    1.85   34.96   27.95    16.7   0.110  1463.3
  350.0    1.84    1.83   34.96   27.95    16.6   0.112  1463.3
  360.0    1.84    1.82   34.96   27.95    16.1   0.113  1463.4
  370.0    1.80    1.78   34.96   27.95    16.0   0.115  1463.4
  380.0    1.75    1.73   34.96   27.96    15.7   0.116  1463.4
  390.0    1.76    1.74   34.96   27.96    15.5   0.118  1463.6
  400.0    1.73    1.70   34.96   27.96    15.7   0.120  1463.6
  410.0    1.67    1.64   34.96   27.96    15.2   0.121  1463.5
  420.0    1.66    1.63   34.96   27.97    15.0   0.123  1463.6
  430.0    1.62    1.60   34.94   27.95    16.3   0.124  1463.6
  440.0    1.58    1.56   34.95   27.97    15.1   0.126  1463.6
  450.0    1.54    1.52   34.95   27.97    14.7   0.127  1463.6
  460.0    1.48    1.45   34.95   27.97    14.8   0.129  1463.5
  470.0    1.39    1.36   34.94   27.97    14.2   0.130  1463.3
  480.0    1.31    1.28   34.93   27.97    14.8   0.132  1463.1
  490.0    1.17    1.14   34.93   27.97    13.9   0.133  1462.6
  500.0    1.11    1.08   34.93   27.98    13.4   0.135  1462.5
  530.0    0.91    0.88   34.92   27.99    12.3   0.139  1462.1
  560.0    0.74    0.71   34.91   27.99    11.9   0.142  1461.8
  590.0    0.55    0.53   34.92   28.01    10.3   0.146  1461.5
  620.0    0.39    0.36   34.89   28.00    10.7   0.149  1461.2
  650.0    0.14    0.12   34.88   28.00     9.8   0.152  1460.6
  680.0   -0.02   -0.05   34.90   28.03     7.2   0.154  1460.4
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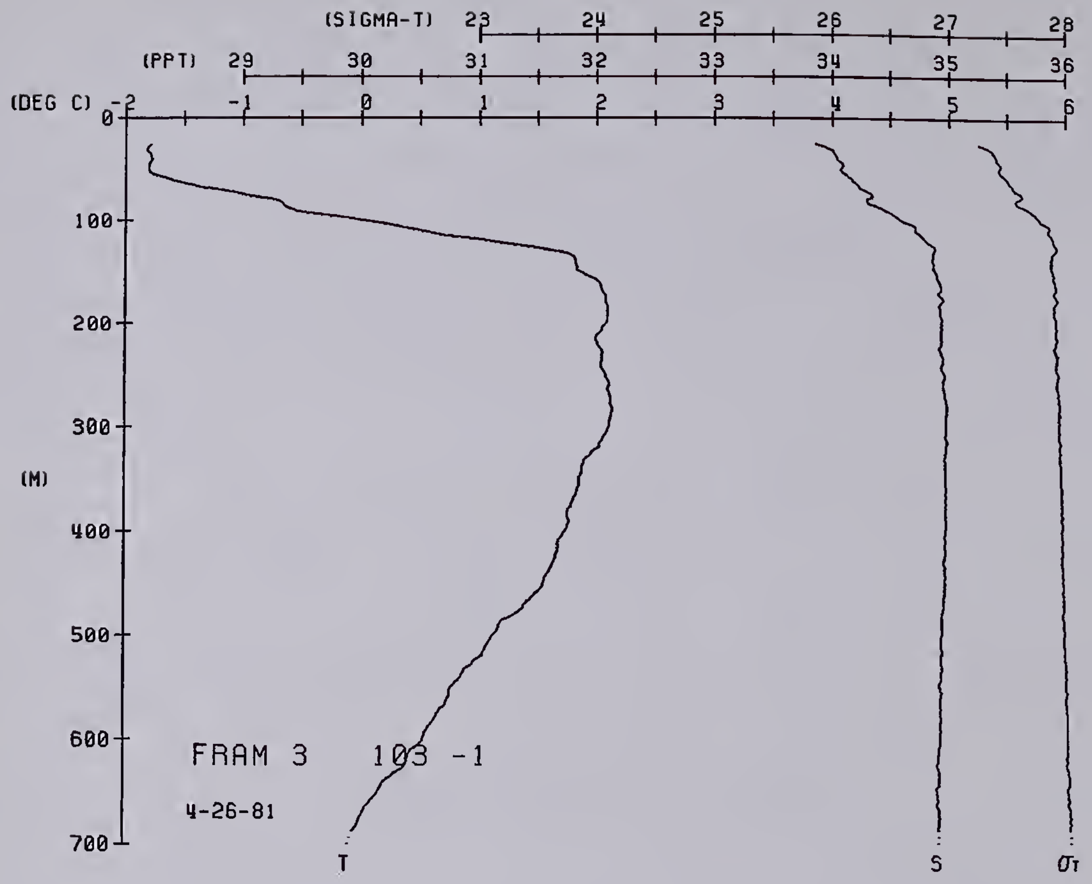
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
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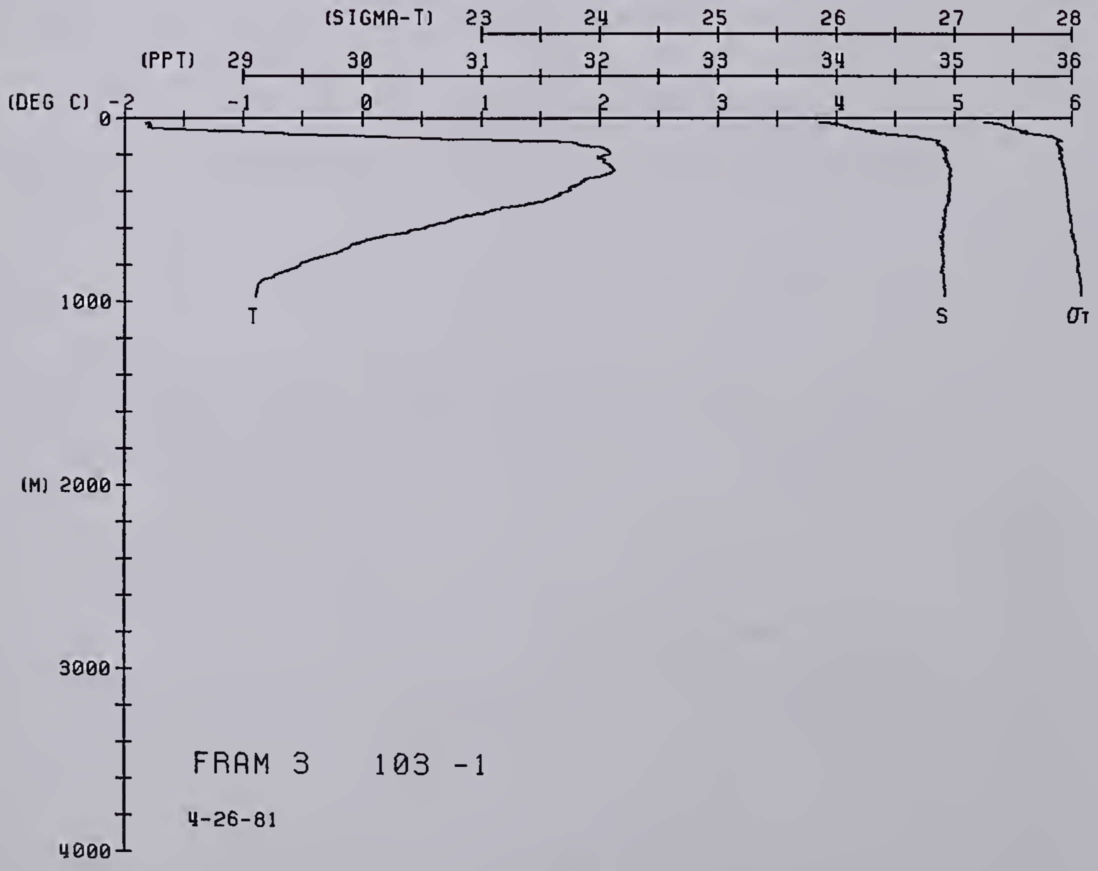
600
700
(M)
FRAM 3 103 -1
4-26-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 103 -1
4-26-81

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 FRAM 3  STATION 104(1) CTD  26/APR/1981 2100 GMT  CODE = 5
LAT = 81.9867N LNG =   3.5533E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   34.03   27.40    67.3   0.000  1439.5
   4.0   -1.82   -1.82   34.03   27.40    67.3   0.003  1439.5
   5.0   -1.83   -1.83   34.04   27.40    66.8   0.003  1439.5
  10.0   -1.83   -1.83   34.06   27.42    65.1   0.007  1439.6
  15.0   -1.83   -1.83   34.07   27.42    64.7   0.010  1439.7
  20.0   -1.83   -1.83   34.06   27.42    64.9   0.013  1439.8
  25.0   -1.83   -1.83   34.06   27.42    65.1   0.017  1439.9
  30.0   -1.82   -1.82   34.07   27.42    64.6   0.020  1440.0
  35.0   -1.82   -1.82   34.07   27.42    64.5   0.023  1440.1
  40.0   -1.81   -1.81   34.08   27.43    63.5   0.026  1440.2
  45.0   -1.80   -1.80   34.11   27.46    60.8   0.029  1440.4
  50.0   -1.80   -1.80   34.15   27.49    57.8   0.032  1440.6
  55.0   -1.80   -1.80   34.17   27.50    56.8   0.035  1440.7
  60.0   -1.78   -1.78   34.18   27.51    55.9   0.038  1440.9
  65.0   -1.74   -1.74   34.19   27.52    55.0   0.041  1441.2
  70.0   -1.64   -1.64   34.20   27.52    54.6   0.044  1441.7
  75.0   -1.46   -1.46   34.22   27.54    53.7   0.047  1442.7
  80.0   -1.27   -1.28   34.26   27.56    51.4   0.049  1443.7
  85.0   -1.12   -1.12   34.29   27.58    49.3   0.052  1444.5
  90.0   -0.89   -0.89   34.35   27.62    45.3   0.054  1445.8
  95.0   -0.69   -0.70   34.41   27.67    41.5   0.056  1446.9
 100.0   -0.51   -0.51   34.44   27.68    40.3   0.058  1447.8
 110.0    0.19    0.18   34.54   27.73    35.9   0.062  1451.3
 120.0    0.97    0.97   34.66   27.77    31.9   0.066  1455.2
 130.0    1.50    1.50   34.77   27.83    27.0   0.069  1457.9
 140.0    1.54    1.53   34.80   27.85    24.8   0.071  1458.3
 150.0    1.77    1.76   34.84   27.86    23.6   0.074  1459.5
 160.0    1.92    1.91   34.88   27.88    22.2   0.076  1460.4
 170.0    2.02    2.01   34.89   27.88    22.2   0.078  1461.0
 180.0    2.08    2.07   34.91   27.89    21.3   0.080  1461.5
 190.0    2.13    2.12   34.91   27.89    21.4   0.083  1461.8
 200.0    2.19    2.17   34.93   27.90    20.4   0.085  1462.3
 210.0    2.21    2.20   34.95   27.91    19.7   0.087  1462.6
 220.0    2.20    2.19   34.95   27.92    19.2   0.089  1462.7
 230.0    2.20    2.19   34.95   27.91    19.6   0.091  1462.9
 240.0    2.21    2.20   34.95   27.91    19.5   0.093  1463.1
 250.0    2.19    2.18   34.95   27.92    19.1   0.095  1463.2
 260.0    2.17    2.15   34.96   27.93    18.5   0.097  1463.2
 270.0    2.16    2.14   34.96   27.93    18.4   0.098  1463.4
 280.0    2.16    2.15   34.96   27.92    18.8   0.100  1463.6
 290.0    2.10    2.09   34.97   27.94    17.4   0.102  1463.5
 300.0    2.07    2.05   34.97   27.94    17.5   0.104  1463.5
 310.0    2.03    2.01   34.96   27.94    17.8   0.106  1463.5
 320.0    1.98    1.96   34.96   27.94    17.1   0.107  1463.4
 330.0    1.80    1.79   34.95   27.95    16.5   0.109  1462.8
 340.0    1.89    1.88   34.95   27.94    17.4   0.111  1463.4
 350.0    1.89    1.87   34.97   27.95    16.1   0.113  1463.5
 360.0    1.86    1.84   34.97   27.96    16.0   0.114  1463.5
 370.0    1.90    1.88   34.97   27.95    16.4   0.116  1463.9
 380.0    1.90    1.88   34.96   27.95    16.6   0.117  1464.1
 390.0    1.90    1.88   34.96   27.95    16.6   0.119  1464.3
 400.0    1.95    1.92   34.97   27.95    16.6   0.121  1464.6
 410.0    1.92    1.89   34.98   27.96    15.5   0.122  1464.7
 420.0    1.79    1.77   34.97   27.96    15.5   0.124  1464.3
 430.0    1.77    1.75   34.98   27.98    14.3   0.126  1464.4
 440.0    1.53    1.51   34.95   27.97    15.1   0.127  1463.4
 450.0    1.61    1.59   34.96   27.97    15.0   0.129  1463.9
 460.0    1.58    1.55   34.96   27.98    14.3   0.130  1464.0
 470.0    1.54    1.51   34.96   27.97    14.6   0.131  1463.9
 480.0    1.46    1.44   34.96   27.98    13.5   0.133  1463.8
 490.0    1.40    1.37   34.95   27.98    13.8   0.134  1463.7
 500.0    1.40    1.37   34.95   27.98    14.1   0.136  1463.8
 501.0    1.40    1.37   34.95   27.98    14.1   0.136  1463.8
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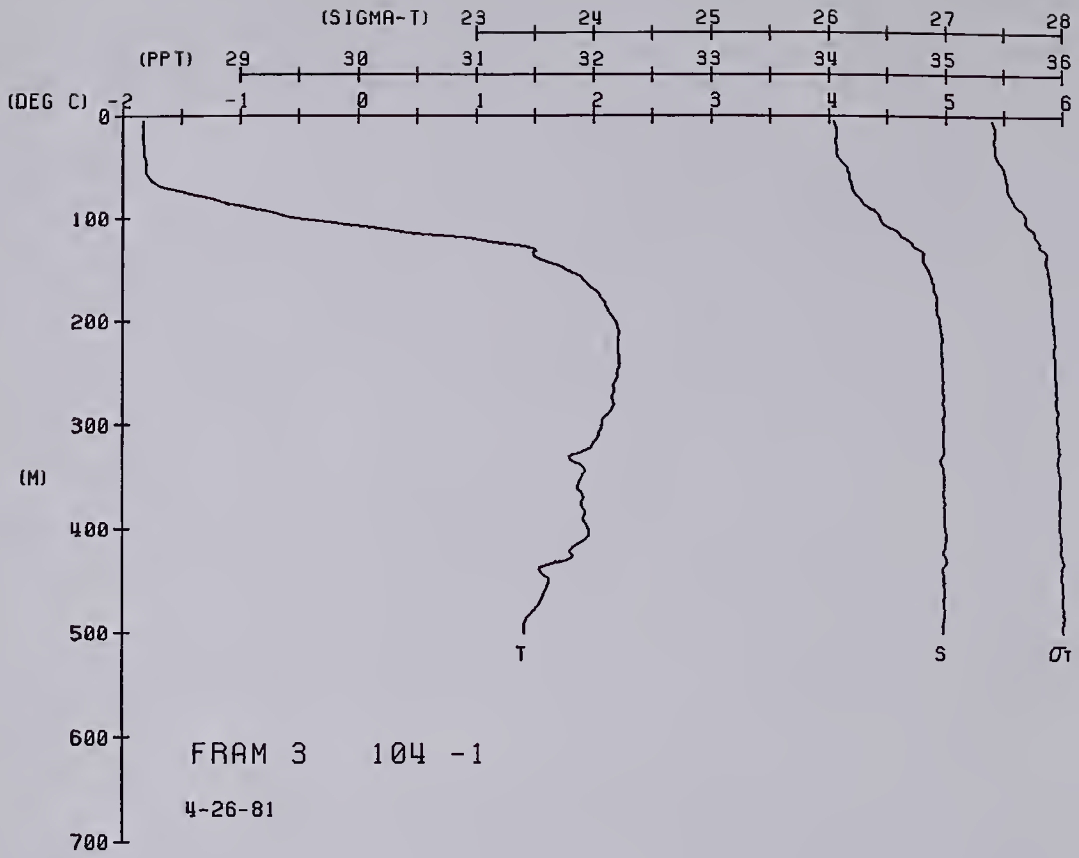

FRAM 3 104 -1

4-26-81

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                                            FRAM 3  STATION 105(1) CTD  26/APR/1981 2131 GMT  CODE = 5
                                            LAT = 81.9650N LNG =    5.5282E LTER =     30. LGER =     30.
                                            AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND             DEPTH    TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

  0.0   -1.74  -1.74  33.65  27.08   96.8  0.000  1439.3            710.0   -0.10  -0.13  34.82  27.97   12.5  0.206  1460.4
  4.0   -1.74  -1.74  33.65  27.08   96.8  0.004  1439.4            740.0   -0.22  -0.25  34.82  27.97   11.9  0.210  1460.4
  5.0   -1.74  -1.74  33.67  27.10   95.7  0.005  1439.4            790.0   -0.50  -0.53  34.84  28.00    8.5  0.215  1459.9
 10.0   -1.75  -1.75  33.72  27.14   91.4  0.010  1439.5            840.0   -0.66  -0.69  34.85  28.02    6.9  0.219  1460.1
 15.0   -1.76  -1.76  33.78  27.19   87.0  0.014  1439.6            890.0   -0.85  -0.88  34.85  28.03    5.4  0.222  1460.0
 20.0   -1.77  -1.77  33.84  27.23   82.5  0.018  1439.8            940.0   -0.88  -0.92  34.85  28.03    4.7  0.224  1460.7
 25.0   -1.77  -1.77  33.82  27.22   83.7  0.023  1439.8            953.5   -0.88  -0.92  34.87  28.04    3.8  0.225  1461.0
 30.0   -1.79  -1.79  33.81  27.22   84.1  0.027  1439.8
 35.0   -1.79  -1.80  33.89  27.28   78.2  0.031  1440.0
 40.0   -1.78  -1.78  33.95  27.33   73.3  0.035  1440.2
 45.0   -1.78  -1.79  33.93  27.31   75.2  0.039  1440.2
 50.0   -1.79  -1.79  33.90  27.29   77.3  0.042  1440.3
 55.0   -1.80  -1.80  33.95  27.33   73.3  0.046  1440.4
 60.0   -1.80  -1.81  34.00  27.37   69.7  0.050  1440.5
 65.0   -1.79  -1.80  34.01  27.37   69.0  0.053  1440.6
 70.0   -1.69  -1.69  34.09  27.44   62.8  0.057  1441.3
 75.0   -1.35  -1.35  34.18  27.50   57.2  0.060  1443.1
 80.0   -1.15  -1.15  34.23  27.54   53.5  0.062  1444.2
 85.0   -0.96  -0.96  34.30  27.58   49.2  0.065  1445.3
 90.0   -0.75  -0.75  34.35  27.62   46.2  0.067  1446.4
 95.0   -0.58  -0.59  34.37  27.62   45.5  0.070  1447.3
100.0   -0.37  -0.37  34.43  27.66   41.8  0.072  1448.5
110.0    0.36   0.36  34.58  27.75   33.9  0.076  1452.2
120.0    0.77   0.76  34.65  27.78   31.3  0.079  1454.3
130.0    1.49   1.49  34.74  27.80   29.1  0.082  1457.8
140.0    1.91   1.90  34.78  27.80   29.4  0.085  1459.9
150.0    1.84   1.83  34.79  27.81   28.5  0.088  1459.7
160.0    1.97   1.96  34.81  27.82   27.8  0.091  1460.5
170.0    2.05   2.04  34.84  27.84   26.5  0.094  1461.1
180.0    2.09   2.08  34.84  27.83   26.8  0.096  1461.4
190.0    2.09   2.08  34.85  27.84   25.8  0.099  1461.6
200.0    2.04   2.03  34.84  27.84   25.8  0.102  1461.5
210.0    2.00   1.99  34.84  27.84   25.8  0.104  1461.5
220.0    2.04   2.02  34.85  27.85   25.5  0.107  1461.8
230.0    2.05   2.04  34.85  27.84   26.0  0.109  1462.1
240.0    2.05   2.04  34.85  27.85   25.8  0.112  1462.2
250.0    2.10   2.09  34.87  27.86   24.9  0.115  1462.7
260.0    2.10   2.08  34.86  27.85   25.1  0.117  1462.8
270.0    2.12   2.11  34.87  27.86   24.6  0.120  1463.1
280.0    2.13   2.11  34.87  27.86   25.1  0.122  1463.3
290.0    2.12   2.10  34.88  27.86   24.6  0.125  1463.4
300.0    2.10   2.08  34.89  27.87   23.5  0.127  1463.5
310.0    2.05   2.03  34.88  27.87   23.6  0.130  1463.5
320.0    1.98   1.97  34.88  27.87   23.7  0.132  1463.3
330.0    1.90   1.88  34.87  27.88   23.4  0.134  1463.1
340.0    1.86   1.84  34.87  27.88   23.3  0.137  1463.1
350.0    1.86   1.84  34.88  27.89   22.5  0.139  1463.3
360.0    1.82   1.80  34.87  27.88   22.7  0.141  1463.2
370.0    1.78   1.76  34.88  27.89   22.1  0.144  1463.3
380.0    1.75   1.73  34.87  27.89   22.1  0.146  1463.3
390.0    1.75   1.73  34.88  27.89   22.0  0.148  1463.4
400.0    1.71   1.69  34.87  27.89   22.1  0.150  1463.4
410.0    1.67   1.65  34.87  27.90   21.5  0.152  1463.4
420.0    1.66   1.64  34.87  27.90   21.6  0.155  1463.5
430.0    1.62   1.60  34.87  27.90   21.5  0.157  1463.5
440.0    1.57   1.55  34.87  27.90   21.1  0.159  1463.5
450.0    1.53   1.50  34.86  27.90   21.3  0.161  1463.5
460.0    1.44   1.41  34.86  27.90   21.0  0.163  1463.2
470.0    1.34   1.31  34.85  27.90   20.6  0.165  1462.9
480.0    1.25   1.22  34.85  27.91   20.2  0.167  1462.7
490.0    1.18   1.15  34.84  27.90   20.8  0.170  1462.5
500.0    1.13   1.10  34.84  27.91   20.1  0.172  1462.5
530.0    0.90   0.87  34.84  27.92   18.7  0.177  1461.9
560.0    0.73   0.70  34.83  27.93   17.9  0.183  1461.7
590.0    0.56   0.54  34.83  27.94   16.7  0.188  1461.4
620.0    0.40   0.37  34.83  27.95   15.5  0.193  1461.2
650.0    0.20   0.18  34.82  27.95   15.1  0.198  1460.8
680.0    0.01  -0.02  34.83  27.97   12.8  0.202  1460.4
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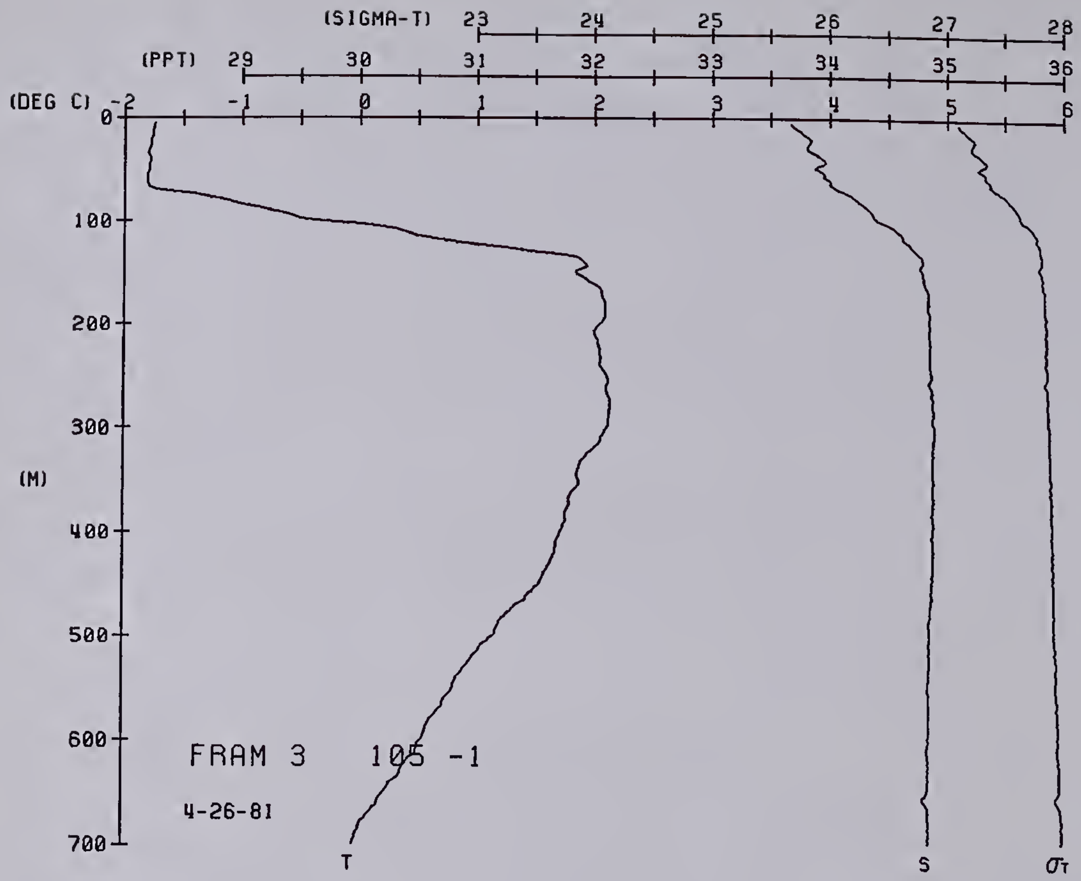
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200
300
(M)
400
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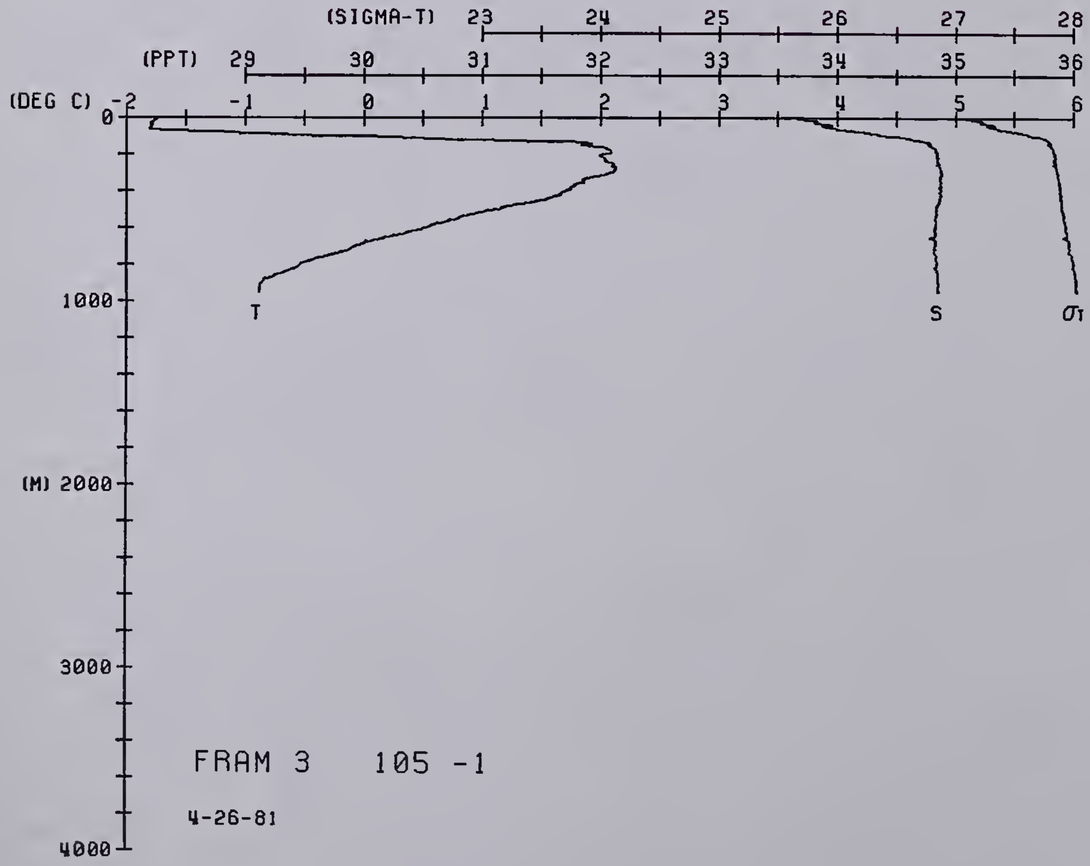
FRAM 3 105 -1
4-26-81
T
S
σT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(M) 2000
3000
4000
T
S
σT
FRAM 3 105 -1
4-26-81

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                              FRAM 3  STATION 106(1) CTD  26/APR/1981 2204 GMT  CODE = 5
                              LAT = 81.9650N LNG =   5.5282E LTER =    30. LGER =    30.
                              AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND          DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.77   -1.77   33.80   27.21    85.2   0.000  1439.4          710.0   -0.10   -0.13   34.82   27.97    12.9   0.202  1460.4
  4.0   -1.77   -1.77   33.80   27.21    85.2   0.003  1439.4          740.0   -0.24   -0.27   34.82   27.97    12.1   0.206  1460.3
  5.0   -1.77   -1.77   33.80   27.20    85.4   0.004  1439.5          790.0   -0.54   -0.57   34.82   27.99     9.5   0.211  1459.7
 10.0   -1.77   -1.78   33.81   27.21    84.5   0.009  1439.5          840.0   -0.70   -0.73   34.82   28.00     8.5   0.216  1459.8
 15.0   -1.79   -1.79   33.82   27.22    83.6   0.013  1439.6          890.0   -0.85   -0.88   34.82   28.00     7.8   0.220  1460.0
 20.0   -1.78   -1.79   33.85   27.24    81.7   0.017  1439.7          940.0   -0.88   -0.92   34.83   28.01     6.3   0.223  1460.7
 25.0   -1.78   -1.79   33.84   27.24    82.3   0.021  1439.8          962.3   -0.89   -0.93   34.84   28.02     5.5   0.225  1461.0
 30.0   -1.79   -1.80   33.86   27.25    80.5   0.025  1439.8
 35.0   -1.78   -1.78   33.86   27.25    80.7   0.029  1440.0
 40.0   -1.77   -1.77   33.85   27.25    80.9   0.033  1440.1
 45.0   -1.77   -1.78   33.88   27.27    78.8   0.037  1440.2
 50.0   -1.78   -1.78   33.96   27.33    73.0   0.041  1440.4
 55.0   -1.80   -1.80   34.01   27.37    69.0   0.045  1440.4
 60.0   -1.81   -1.81   34.03   27.39    67.0   0.048  1440.5
 65.0   -1.79   -1.79   34.05   27.41    65.7   0.052  1440.7
 70.0   -1.57   -1.57   34.14   27.47    59.4   0.055  1442.0
 75.0   -1.24   -1.25   34.22   27.53    54.2   0.058  1443.7
 80.0   -1.07   -1.08   34.25   27.55    52.6   0.060  1444.6
 85.0   -0.89   -0.89   34.32   27.60    48.0   0.063  1445.6
 90.0   -0.70   -0.70   34.36   27.62    45.5   0.065  1446.7
 95.0   -0.54   -0.55   34.39   27.64    43.9   0.068  1447.5
100.0   -0.33   -0.33   34.46   27.69    39.4   0.070  1448.7
110.0    0.38    0.38   34.57   27.74    34.9   0.073  1452.3
120.0    0.86    0.85   34.66   27.78    30.8   0.077  1454.7
130.0    1.45    1.45   34.75   27.81    28.5   0.080  1457.6
140.0    1.87    1.86   34.79   27.81    28.6   0.083  1459.7
150.0    1.84    1.83   34.79   27.82    27.9   0.086  1459.7
160.0    1.95    1.94   34.82   27.83    27.0   0.088  1460.5
170.0    2.05    2.05   34.83   27.83    26.6   0.091  1461.1
180.0    2.08    2.07   34.84   27.84    26.3   0.094  1461.4
190.0    2.07    2.06   34.85   27.84    25.9   0.096  1461.5
200.0    2.05    2.04   34.84   27.84    26.0   0.099  1461.6
210.0    2.01    2.00   34.85   27.85    25.3   0.102  1461.6
220.0    2.04    2.02   34.86   27.85    25.1   0.104  1461.9
230.0    2.06    2.04   34.86   27.86    24.9   0.107  1462.1
240.0    2.08    2.07   34.87   27.86    24.5   0.109  1462.4
250.0    2.12    2.11   34.87   27.86    24.7   0.112  1462.7
260.0    2.10    2.08   34.87   27.86    24.5   0.114  1462.8
270.0    2.13    2.11   34.88   27.87    24.1   0.117  1463.1
280.0    2.13    2.11   34.88   27.86    24.4   0.119  1463.3
290.0    2.12    2.10   34.88   27.87    24.0   0.121  1463.4
300.0    2.11    2.09   34.89   27.88    23.4   0.124  1463.6
310.0    2.05    2.03   34.89   27.88    23.0   0.126  1463.4
320.0    1.99    1.97   34.89   27.88    22.9   0.129  1463.3
330.0    1.90    1.88   34.88   27.88    22.7   0.131  1463.1
340.0    1.86    1.84   34.88   27.88    22.7   0.133  1463.1
350.0    1.86    1.84   34.88   27.89    22.2   0.135  1463.3
360.0    1.81    1.79   34.88   27.89    22.1   0.138  1463.2
370.0    1.78    1.76   34.88   27.89    21.8   0.140  1463.3
380.0    1.75    1.73   34.88   27.90    21.6   0.142  1463.3
390.0    1.74    1.72   34.87   27.89    22.2   0.144  1463.4
400.0    1.71    1.68   34.88   27.90    21.5   0.146  1463.4
410.0    1.67    1.64   34.88   27.90    20.9   0.149  1463.4
420.0    1.64    1.62   34.87   27.90    21.3   0.151  1463.5
430.0    1.60    1.58   34.87   27.90    21.2   0.153  1463.4
440.0    1.56    1.54   34.87   27.90    20.9   0.155  1463.4
450.0    1.51    1.48   34.87   27.91    20.7   0.157  1463.4
460.0    1.44    1.41   34.86   27.91    20.6   0.159  1463.2
470.0    1.31    1.29   34.86   27.91    20.3   0.161  1462.8
480.0    1.25    1.22   34.85   27.91    20.0   0.163  1462.7
490.0    1.18    1.15   34.85   27.91    19.8   0.165  1462.5
500.0    1.14    1.11   34.83   27.90    20.7   0.167  1462.5
530.0    0.91    0.88   34.84   27.93    18.2   0.173  1462.0
560.0    0.74    0.71   34.84   27.93    17.5   0.179  1461.7
590.0    0.55    0.53   34.83   27.94    16.7   0.184  1461.4
620.0    0.38    0.35   34.83   27.95    15.5   0.189  1461.1
650.0    0.19    0.17   34.82   27.95    14.8   0.193  1460.7
680.0    0.02   -0.01   34.83   27.96    13.3   0.198  1460.4
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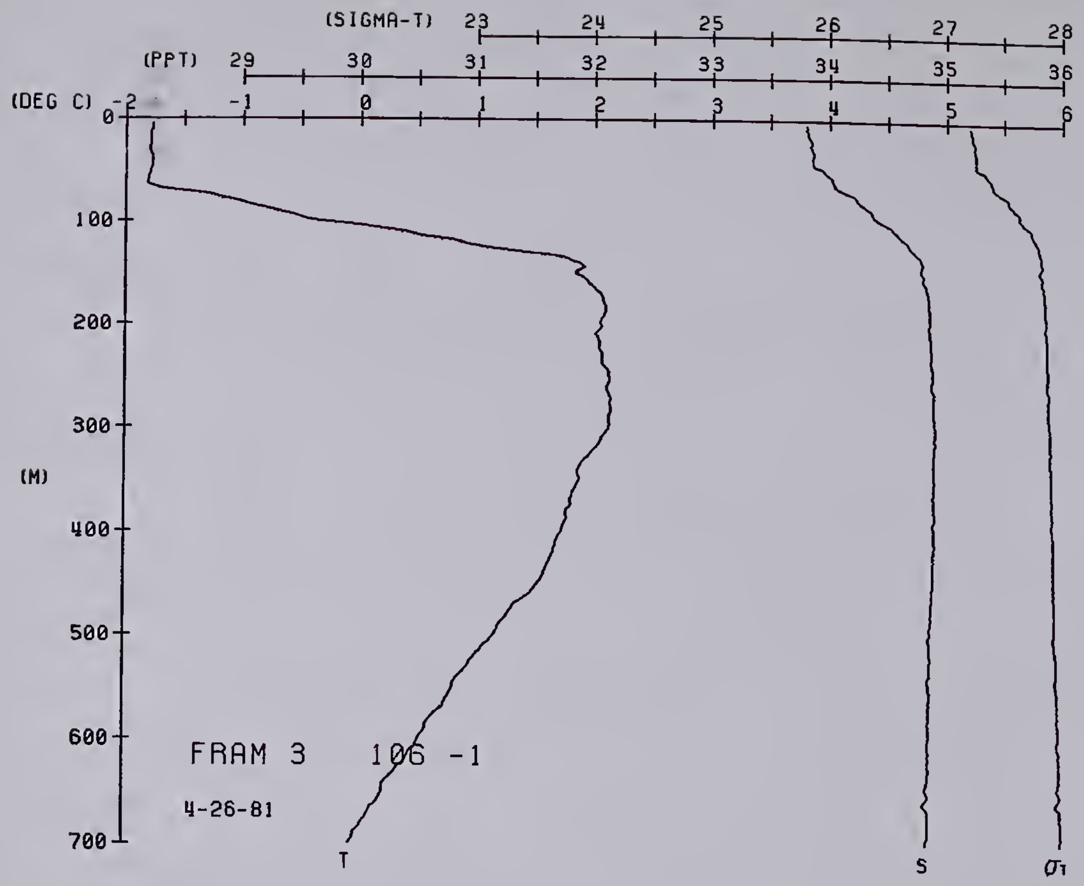
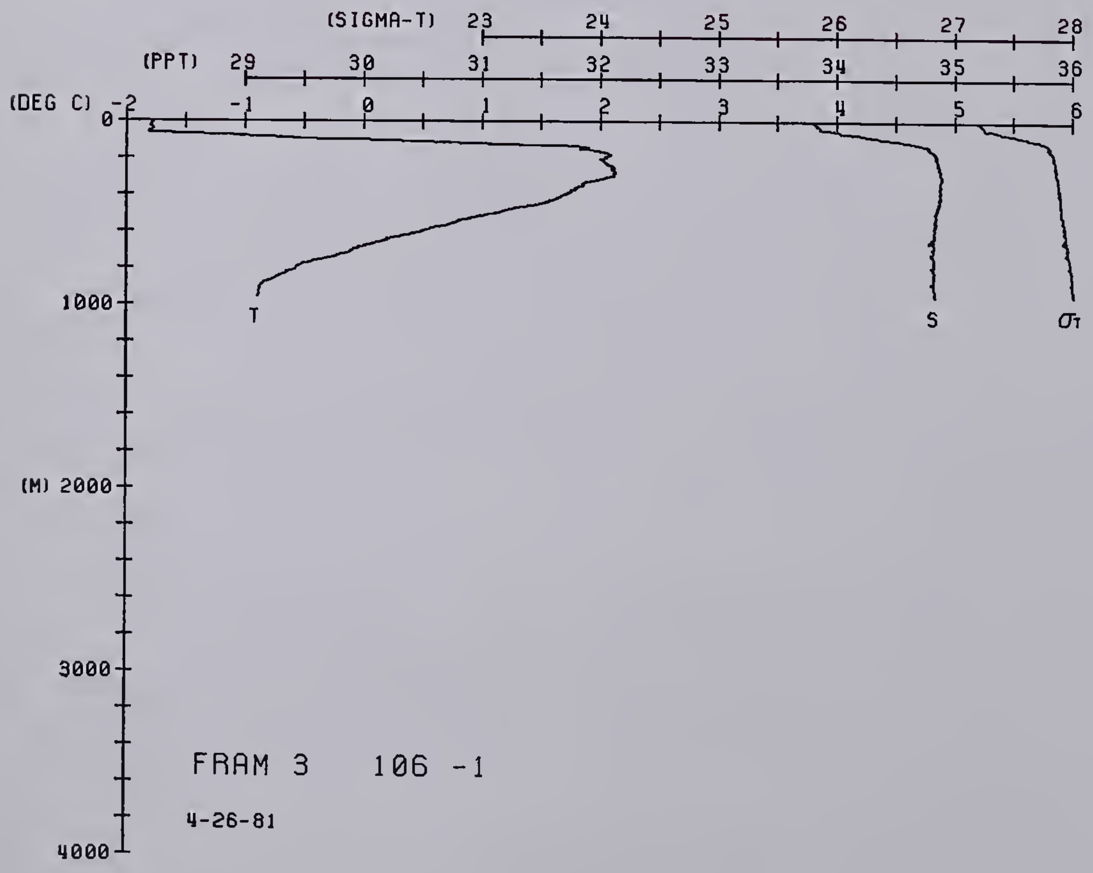


FRAM 3 106 -1

4-26-81



FRAM 3 106 -1

4-26-81

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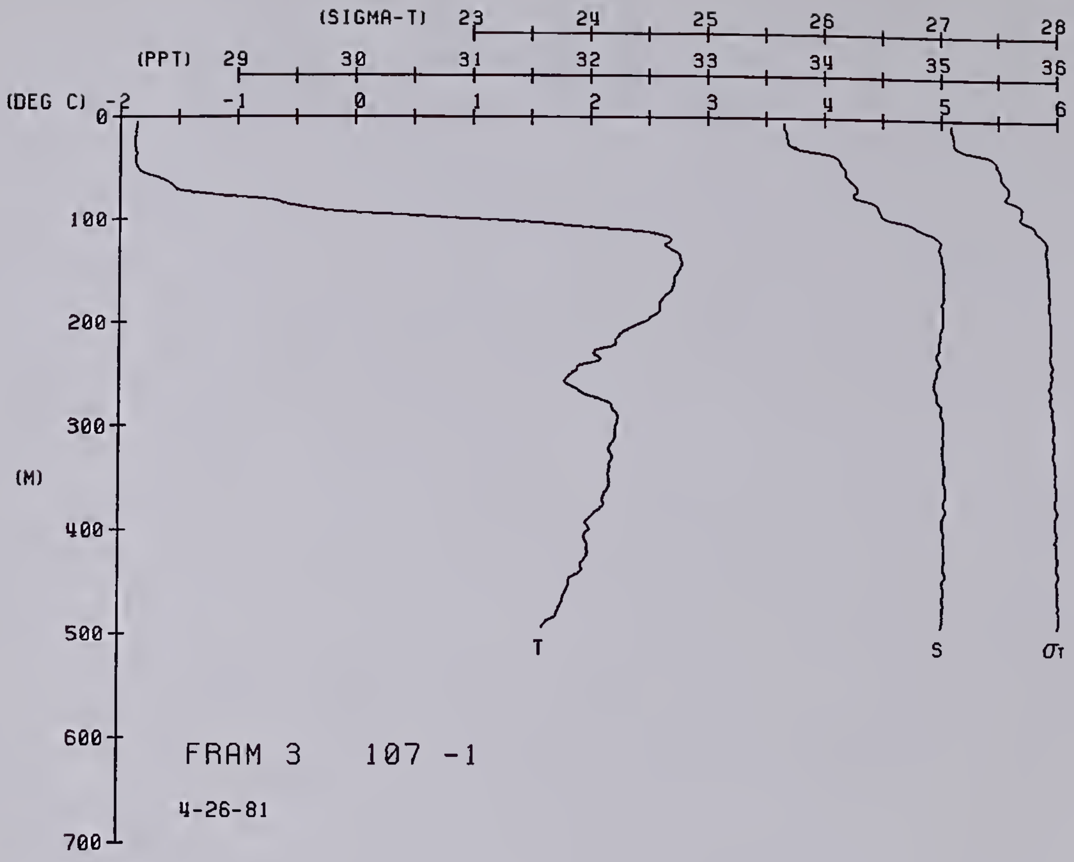
LAT = 82.0083N LNG =   1.4917E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   33.66   27.09    96.3   0.000   1438.8
   4.0   -1.86   -1.86   33.66   27.09    96.3   0.004   1438.8
   5.0   -1.86   -1.86   33.65   27.09    96.3   0.005   1438.9
  10.0   -1.86   -1.86   33.66   27.09    95.7   0.010   1438.9
  15.0   -1.87   -1.87   33.68   27.11    94.5   0.015   1439.0
  20.0   -1.87   -1.87   33.68   27.11    94.2   0.019   1439.1
  25.0   -1.87   -1.87   33.69   27.12    93.3   0.024   1439.2
  30.0   -1.87   -1.87   33.77   27.18    87.5   0.029   1439.4
  35.0   -1.86   -1.86   34.01   27.38    68.4   0.033   1439.8
  40.0   -1.87   -1.87   34.12   27.47    59.9   0.036   1440.0
  45.0   -1.86   -1.86   34.15   27.49    58.1   0.039   1440.2
  50.0   -1.85   -1.85   34.18   27.51    55.8   0.042   1440.4
  55.0   -1.79   -1.79   34.18   27.51    55.6   0.044   1440.7
  60.0   -1.65   -1.65   34.22   27.54    53.1   0.047   1441.5
  65.0   -1.57   -1.57   34.26   27.58    49.9   0.050   1442.1
  70.0   -1.52   -1.52   34.28   27.59    48.6   0.052   1442.4
  75.0   -1.29   -1.29   34.25   27.55    51.9   0.055   1443.5
  80.0   -0.79   -0.79   34.35   27.62    46.1   0.057   1446.1
  85.0   -0.57   -0.57   34.46   27.70    38.6   0.059   1447.3
  90.0   -0.31   -0.31   34.47   27.70    38.7   0.061   1448.7
  95.0    0.23    0.22   34.49   27.68    40.5   0.063   1451.2
 100.0    1.17    1.16   34.64   27.74    34.5   0.065   1455.7
 110.0    2.34    2.33   34.86   27.83    26.5   0.068   1461.4
 120.0    2.68    2.67   34.99   27.91    19.5   0.071   1463.2
 130.0    2.72    2.71   34.99   27.91    19.9   0.073   1463.5
 140.0    2.78    2.77   35.01   27.91    19.2   0.075   1464.0
 150.0    2.75    2.74   35.02   27.92    18.3   0.077   1464.0
 160.0    2.71    2.71   35.02   27.92    18.3   0.078   1464.0
 170.0    2.67    2.66   35.02   27.93    18.0   0.080   1464.0
 180.0    2.59    2.58   35.01   27.93    18.2   0.082   1463.8
 190.0    2.57    2.56   35.01   27.94    17.5   0.084   1463.9
 200.0    2.43    2.42   35.01   27.94    16.8   0.086   1463.5
 210.0    2.26    2.25   34.99   27.94    17.1   0.087   1462.9
 220.0    2.22    2.21   34.98   27.94    17.3   0.089   1462.8
 230.0    2.04    2.03   34.95   27.93    17.9   0.091   1462.2
 240.0    1.93    1.92   34.98   27.96    15.2   0.093   1461.9
 250.0    1.82    1.81   34.95   27.95    16.2   0.094   1461.5
 260.0    1.83    1.82   34.93   27.93    18.0   0.096   1461.7
 270.0    2.00    1.98   34.95   27.94    17.6   0.098   1462.7
 280.0    2.18    2.17   35.00   27.95    16.1   0.099   1463.7
 290.0    2.23    2.22   35.01   27.96    15.8   0.101   1464.1
 300.0    2.21    2.20   35.01   27.96    15.4   0.103   1464.2
 310.0    2.21    2.19   35.01   27.96    15.5   0.104   1464.3
 320.0    2.16    2.14   35.00   27.96    15.5   0.106   1464.3
 330.0    2.19    2.17   35.01   27.97    15.2   0.107   1464.6
 340.0    2.16    2.15   35.02   27.97    14.5   0.109   1464.6
 350.0    2.16    2.14   35.01   27.97    14.9   0.110   1464.8
 360.0    2.14    2.12   35.02   27.98    14.1   0.112   1464.9
 370.0    2.11    2.08   35.01   27.97    14.6   0.113   1464.9
 380.0    2.06    2.04   35.03   27.99    13.1   0.115   1464.9
 390.0    1.97    1.95   35.00   27.97    14.7   0.116   1464.6
 400.0    1.98    1.96   35.01   27.98    13.9   0.117   1464.8
 410.0    1.96    1.94   35.00   27.98    14.3   0.119   1464.9
 420.0    1.98    1.96   35.01   27.98    14.0   0.120   1465.1
 430.0    1.92    1.90   35.01   27.98    13.7   0.122   1465.1
 440.0    1.91    1.88   35.02   27.99    12.9   0.123   1465.2
 450.0    1.82    1.79   34.99   27.98    14.0   0.124   1464.9
 460.0    1.78    1.76   35.00   27.99    13.0   0.126   1464.9
 470.0    1.75    1.73   35.00   27.99    13.0   0.127   1465.0
 480.0    1.72    1.69   35.00   27.99    12.9   0.128   1465.0
 490.0    1.60    1.57   34.99   27.99    12.8   0.130   1464.6
 493.1    1.59    1.56   34.98   27.99    13.3   0.130   1464.6
```



FRAM 3   107 -1

4-26-81

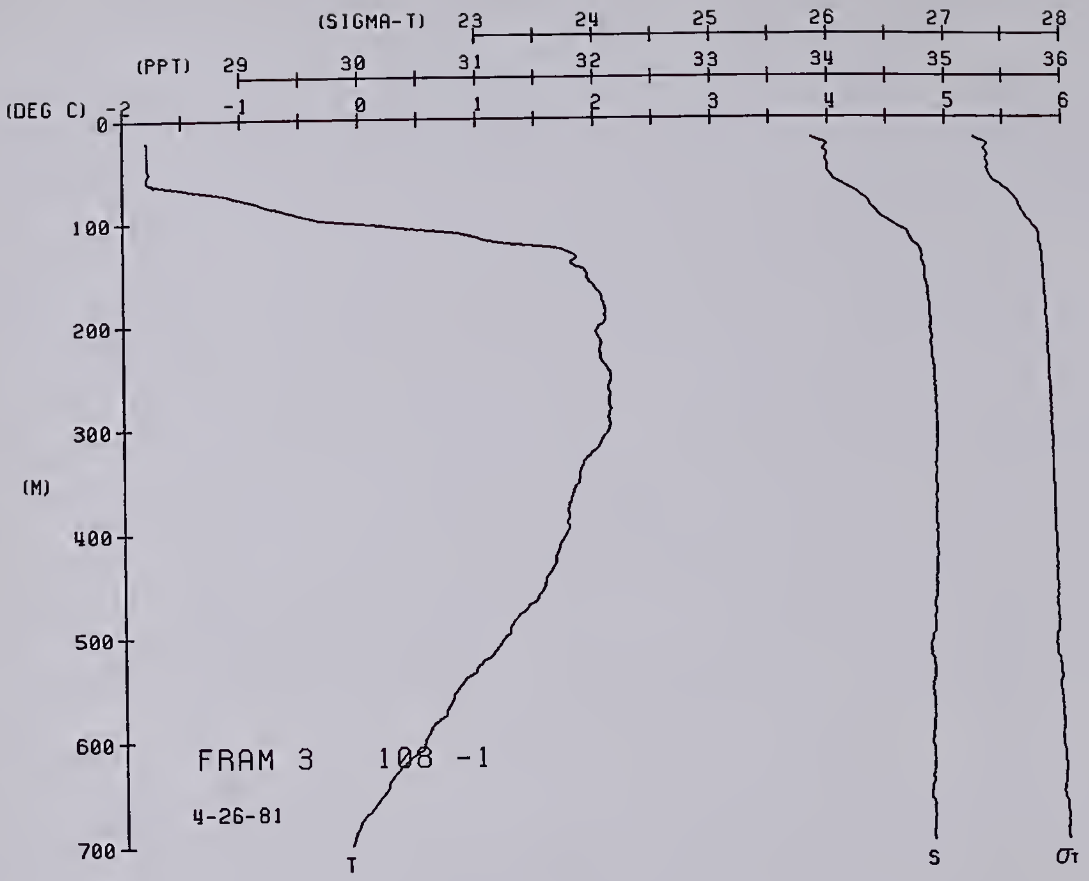
```
FRAM 3  STATION 108(1) CTD  26/APR/1981 2244 GMT  CODE = 5
LAT = 81.9633N LNG =   5.5282E LTER =    30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

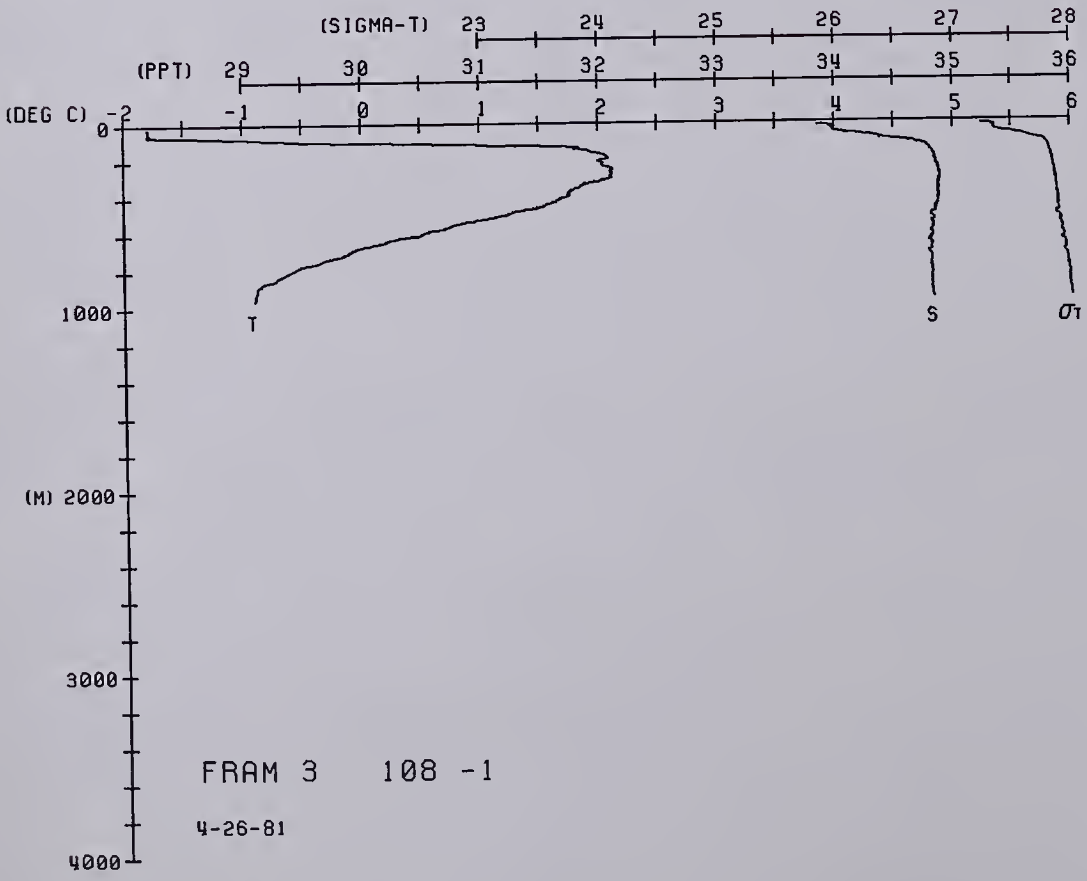
DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -1.79   -1.79   33.86   27.25    80.6   0.000  1439.3
  5.0  -1.79   -1.80   33.86   27.25    80.6   0.004  1439.4
 10.0  -1.79   -1.80   33.86   27.25    80.6   0.008  1439.5
 15.0  -1.79   -1.80   33.86   27.25    80.5   0.012  1439.6
 20.0  -1.79   -1.80   33.86   27.25    80.5   0.016  1439.7
 20.8  -1.79   -1.80   33.86   27.25    80.5   0.017  1439.7
 25.0  -1.79   -1.79   33.98   27.35    71.2   0.020  1440.0
 30.0  -1.78   -1.79   33.97   27.34    72.3   0.024  1440.0
 35.0  -1.79   -1.79   34.00   27.36    70.0   0.027  1440.1
 40.0  -1.79   -1.79   33.98   27.35    71.1   0.031  1440.2
 45.0  -1.79   -1.79   34.00   27.37    69.7   0.035  1440.3
 50.0  -1.78   -1.78   34.00   27.36    70.0   0.038  1440.4
 55.0  -1.79   -1.79   34.01   27.38    68.5   0.042  1440.5
 60.0  -1.79   -1.79   34.04   27.40    66.2   0.045  1440.6
 65.0  -1.63   -1.63   34.11   27.45    61.3   0.048  1441.6
 70.0  -1.32   -1.32   34.21   27.52    55.1   0.051  1443.2
 75.0  -1.09   -1.09   34.27   27.57    50.8   0.054  1444.5
 80.0  -0.92   -0.92   34.32   27.60    47.4   0.056  1445.4
 85.0  -0.78   -0.78   34.36   27.62    45.5   0.059  1446.2
 90.0  -0.60   -0.60   34.40   27.65    43.2   0.061  1447.2
 95.0  -0.46   -0.46   34.43   27.67    41.1   0.063  1448.0
100.0  -0.15   -0.15   34.49   27.71    37.9   0.065  1449.6
110.0   0.71    0.70   34.65   27.78    30.9   0.068  1453.8
120.0   1.14    1.13   34.70   27.79    29.8   0.072  1456.0
130.0   1.78    1.77   34.78   27.81    28.1   0.074  1459.1
140.0   1.80    1.79   34.79   27.82    28.0   0.077  1459.4
150.0   1.92    1.92   34.82   27.83    26.9   0.080  1460.2
160.0   1.97    1.96   34.82   27.83    27.2   0.083  1460.5
170.0   2.04    2.04   34.84   27.84    26.2   0.086  1461.0
180.0   2.07    2.06   34.85   27.84    25.9   0.088  1461.3
190.0   2.08    2.07   34.85   27.84    25.9   0.091  1461.5
200.0   2.06    2.05   34.85   27.85    25.4   0.093  1461.6
210.0   2.01    2.00   34.86   27.86    24.8   0.096  1461.6
220.0   2.05    2.03   34.86   27.85    25.0   0.098  1461.9
230.0   2.05    2.03   34.86   27.86    25.0   0.101  1462.1
240.0   2.08    2.07   34.87   27.86    24.2   0.103  1462.4
250.0   2.13    2.11   34.88   27.86    24.4   0.106  1462.8
260.0   2.11    2.09   34.88   27.87    23.8   0.108  1462.9
270.0   2.12    2.10   34.89   27.87    23.4   0.111  1463.1
280.0   2.12    2.11   34.89   27.88    23.4   0.113  1463.3
290.0   2.11    2.09   34.89   27.87    23.4   0.115  1463.4
300.0   2.12    2.10   34.89   27.88    23.2   0.118  1463.6
310.0   2.06    2.04   34.89   27.88    22.8   0.120  1463.5
320.0   2.01    1.99   34.89   27.89    22.5   0.122  1463.4
330.0   1.91    1.89   34.89   27.89    22.1   0.125  1463.2
340.0   1.87    1.85   34.88   27.89    22.3   0.127  1463.1
350.0   1.85    1.83   34.88   27.89    22.1   0.129  1463.2
360.0   1.81    1.79   34.88   27.89    21.9   0.131  1463.2
370.0   1.77    1.75   34.88   27.90    21.6   0.134  1463.2
380.0   1.75    1.73   34.88   27.89    22.0   0.136  1463.3
390.0   1.75    1.73   34.88   27.89    21.7   0.138  1463.5
400.0   1.75    1.73   34.88   27.90    21.4   0.140  1463.6
410.0   1.70    1.67   34.88   27.90    20.9   0.142  1463.6
420.0   1.66    1.64   34.89   27.91    20.5   0.144  1463.6
430.0   1.64    1.62   34.88   27.90    20.9   0.147  1463.7
440.0   1.59    1.57   34.88   27.91    20.7   0.149  1463.6
450.0   1.55    1.53   34.87   27.90    20.8   0.151  1463.6
460.0   1.51    1.48   34.87   27.91    20.6   0.153  1463.5
470.0   1.43    1.41   34.86   27.90    20.7   0.155  1463.4
480.0   1.33    1.31   34.86   27.91    20.0   0.157  1463.1
490.0   1.26    1.24   34.86   27.92    19.6   0.159  1462.9
500.0   1.22    1.20   34.85   27.91    20.2   0.161  1462.9
530.0   0.97    0.94   34.84   27.92    18.6   0.167  1462.3
560.0   0.76    0.74   34.83   27.93    17.9   0.173  1461.8
590.0   0.57    0.54   34.83   27.94    16.6   0.178  1461.5
620.0   0.37    0.34   34.83   27.95    15.4   0.183  1461.0
650.0   0.17    0.15   34.81   27.94    15.9   0.187  1460.6
680.0  -0.04   -0.06   34.83   27.97    12.8   0.192  1460.2
```

```
DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

710.0  -0.12   -0.15   34.81   27.96    13.4   0.196  1460.3
740.0  -0.30   -0.33   34.83   27.98    10.8   0.199  1460.0
790.0  -0.56   -0.59   34.83   27.99     9.4   0.204  1459.7
840.0  -0.71   -0.74   34.83   28.00     7.9   0.209  1459.8
890.0  -0.87   -0.90   34.82   28.00     7.3   0.213  1459.9
940.0  -0.88   -0.92   34.83   28.01     6.6   0.216  1460.7
962.3  -0.89   -0.93   34.84   28.02     5.4   0.218  1461.0
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 108 -1
4-26-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 108 -1
4-26-81

```
                                                       FRAM 3  STATION 109(1) CTD  27/APR/1981  849 GMT  CODE = 5
                                                       LAT = 81.9530N LNG =   5.6128E LTER =     30. LGER =    30.
                                                       AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND              DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.75   -1.75   33.43   26.90   113.8   0.000  1438.9              710.0   -0.07   -0.10   34.83   27.97    12.5   0.196  1460.6
  4.0   -1.75   -1.76   33.43   26.90   113.8   0.005  1439.0              740.0   -0.19   -0.22   34.83   27.98    11.9   0.200  1460.5
  5.0   -1.77   -1.77   33.58   27.03   102.1   0.006  1439.1              790.0   -0.41   -0.45   34.83   27.99     9.8   0.205  1460.3
 10.0   -1.83   -1.83   33.92   27.31    75.7   0.010  1439.5              840.0   -0.63   -0.66   34.83   28.00     8.3   0.210  1460.2
 15.0   -1.84   -1.84   33.96   27.34    72.6   0.014  1439.5              890.0   -0.85   -0.88   34.83   28.01     6.6   0.213  1460.0
 20.0   -1.84   -1.84   33.97   27.34    72.3   0.018  1439.6              936.7   -0.86   -0.90   34.84   28.02     6.1   0.216  1460.7
 25.0   -1.84   -1.84   33.99   27.36    70.1   0.021  1439.7
 30.0   -1.83   -1.83   34.01   27.37    69.2   0.025  1439.9
 35.0   -1.84   -1.84   34.02   27.39    67.9   0.028  1439.9
 40.0   -1.82   -1.82   34.03   27.39    67.2   0.032  1440.1
 45.0   -1.83   -1.83   34.03   27.39    67.5   0.035  1440.2
 50.0   -1.83   -1.83   34.02   27.39    67.8   0.038  1440.3
 55.0   -1.84   -1.84   34.06   27.41    65.2   0.042  1440.3
 60.0   -1.83   -1.83   34.06   27.42    64.5   0.045  1440.5
 65.0   -1.78   -1.78   34.09   27.44    62.2   0.048  1440.8
 70.0   -1.69   -1.69   34.13   27.47    60.0   0.051  1441.4
 75.0   -1.35   -1.35   34.22   27.54    53.6   0.054  1443.2
 80.0   -0.95   -0.95   34.32   27.60    47.7   0.057  1445.3
 85.0   -0.80   -0.81   34.35   27.62    45.8   0.059  1446.1
 90.0   -0.53   -0.53   34.42   27.66    41.8   0.061  1447.6
 95.0   -0.35   -0.35   34.46   27.68    39.7   0.063  1448.5
100.0   -0.13   -0.13   34.49   27.70    38.0   0.065  1449.6
110.0    0.19    0.18   34.58   27.76    32.9   0.069  1451.4
120.0    0.84    0.84   34.67   27.79    30.4   0.072  1454.6
130.0    1.21    1.20   34.71   27.80    29.6   0.075  1456.5
140.0    1.60    1.59   34.77   27.82    27.6   0.078  1458.5
150.0    1.73    1.72   34.79   27.83    27.2   0.081  1459.3
160.0    1.93    1.92   34.82   27.83    26.5   0.084  1460.4
170.0    2.02    2.01   34.83   27.84    26.3   0.086  1460.9
180.0    2.08    2.07   34.85   27.84    25.8   0.089  1461.4
190.0    2.13    2.11   34.86   27.85    25.5   0.091  1461.8
200.0    2.10    2.08   34.86   27.85    25.3   0.094  1461.8
210.0    2.03    2.02   34.86   27.86    24.8   0.097  1461.7
220.0    2.06    2.05   34.87   27.86    24.5   0.099  1462.0
230.0    2.08    2.07   34.87   27.86    24.5   0.102  1462.2
240.0    2.11    2.10   34.88   27.87    24.0   0.104  1462.6
250.0    2.11    2.09   34.88   27.86    24.3   0.106  1462.7
260.0    2.14    2.13   34.89   27.87    23.8   0.109  1463.0
270.0    2.13    2.11   34.88   27.87    23.8   0.111  1463.1
280.0    2.12    2.11   34.89   27.88    23.2   0.114  1463.3
290.0    2.13    2.12   34.90   27.88    23.2   0.116  1463.5
300.0    2.11    2.09   34.89   27.88    23.2   0.118  1463.6
310.0    2.08    2.06   34.89   27.88    23.3   0.121  1463.6
320.0    2.04    2.02   34.90   27.89    22.5   0.123  1463.6
330.0    1.97    1.95   34.88   27.88    23.0   0.125  1463.4
340.0    1.94    1.92   34.89   27.89    22.4   0.128  1463.5
350.0    1.87    1.85   34.88   27.89    22.3   0.130  1463.3
360.0    1.81    1.79   34.88   27.89    21.9   0.132  1463.2
370.0    1.78    1.76   34.88   27.89    21.7   0.134  1463.3
380.0    1.77    1.75   34.88   27.90    21.6   0.137  1463.4
390.0    1.75    1.73   34.88   27.90    21.4   0.139  1463.5
400.0    1.73    1.71   34.89   27.90    21.1   0.141  1463.5
410.0    1.69    1.67   34.89   27.90    20.8   0.143  1463.5
420.0    1.63    1.61   34.88   27.91    20.5   0.145  1463.4
430.0    1.62    1.60   34.88   27.90    20.9   0.147  1463.6
440.0    1.60    1.57   34.88   27.91    20.6   0.149  1463.6
450.0    1.51    1.48   34.87   27.91    20.4   0.151  1463.4
460.0    1.48    1.45   34.87   27.91    20.2   0.153  1463.4
470.0    1.45    1.42   34.87   27.91    20.1   0.155  1463.4
480.0    1.28    1.25   34.86   27.91    19.8   0.157  1462.8
490.0    1.22    1.19   34.86   27.92    19.4   0.159  1462.7
500.0    1.17    1.15   34.85   27.92    19.3   0.161  1462.7
530.0    1.00    0.97   34.85   27.92    18.8   0.167  1462.4
560.0    0.85    0.82   34.85   27.93    17.4   0.173  1462.2
590.0    0.67    0.64   34.84   27.94    16.6   0.178  1461.9
620.0    0.51    0.48   34.84   27.94    16.0   0.183  1461.7
650.0    0.26    0.24   34.83   27.95    14.7   0.188  1461.1
680.0    0.11    0.08   34.83   27.96    13.6   0.192  1460.9
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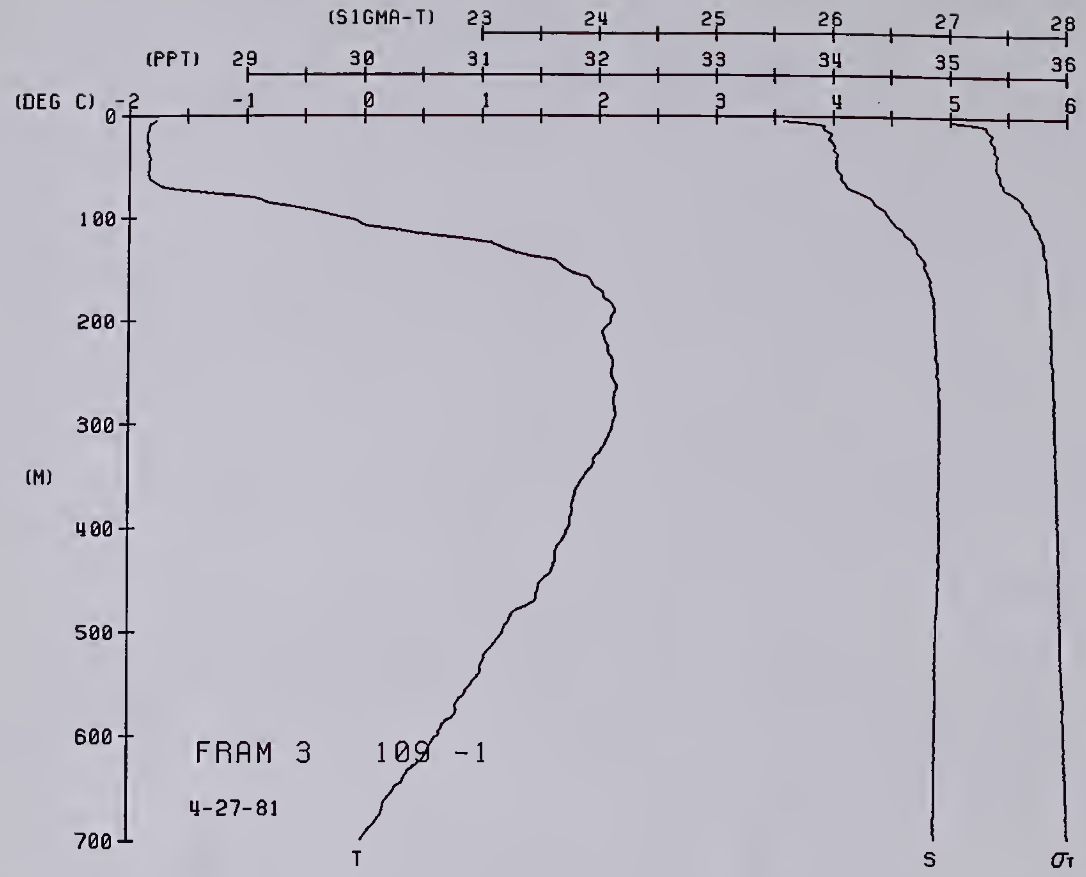
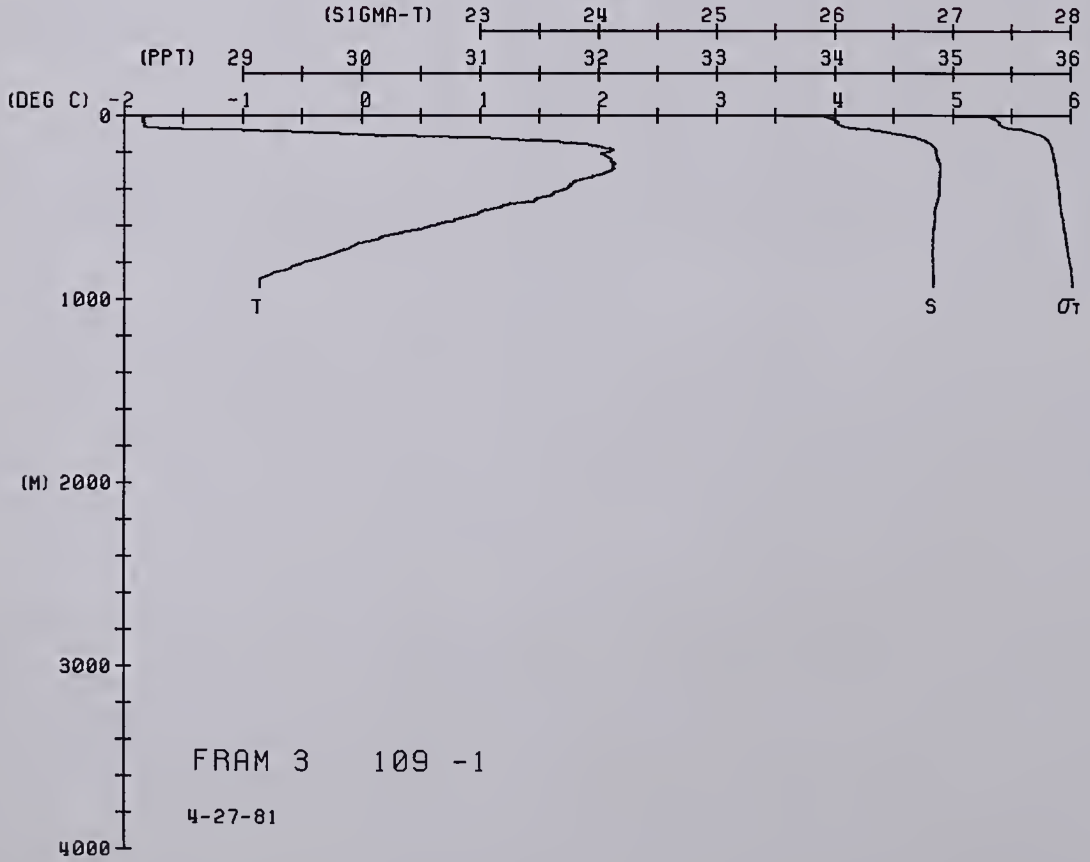


FRAM 3 109 -1

4-27-81



FRAM 3 109 -1

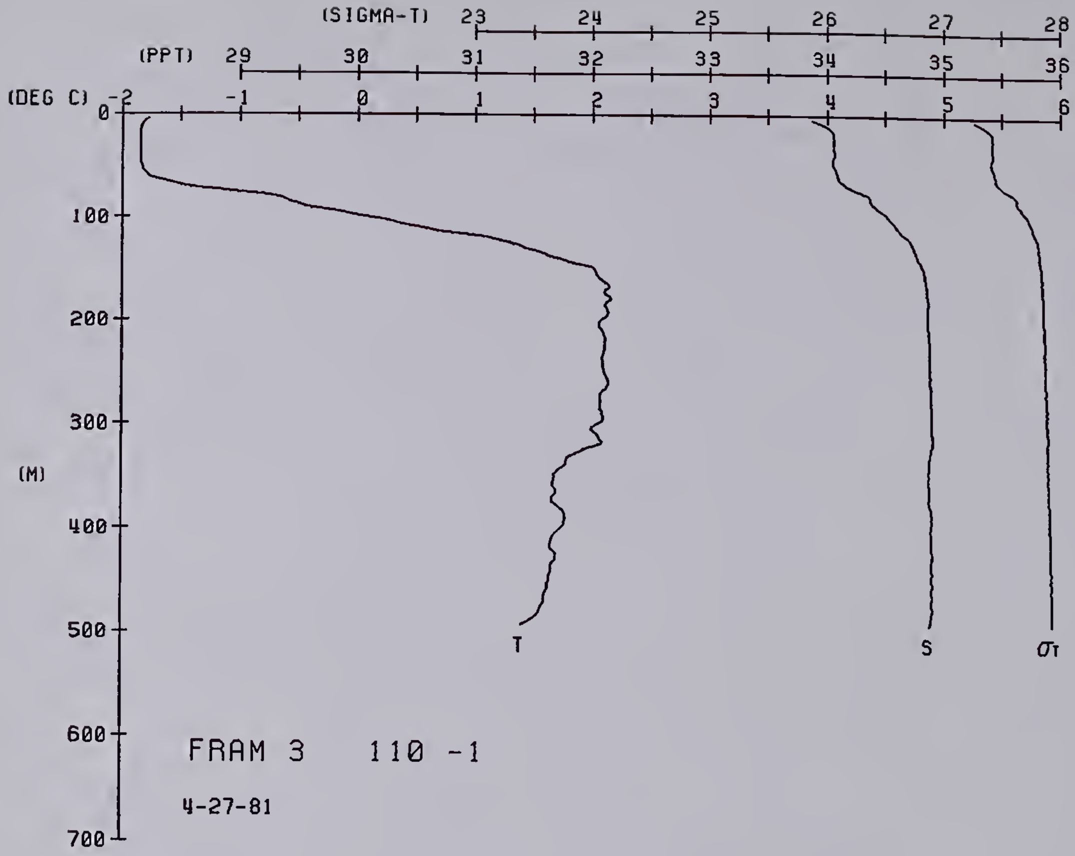
4-27-81

FRAM 3 STATION 110(1) CTD 27/APR/1981 1127 GMT CODE = 5
LAT = 81.9515N LNG = 5.6132E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

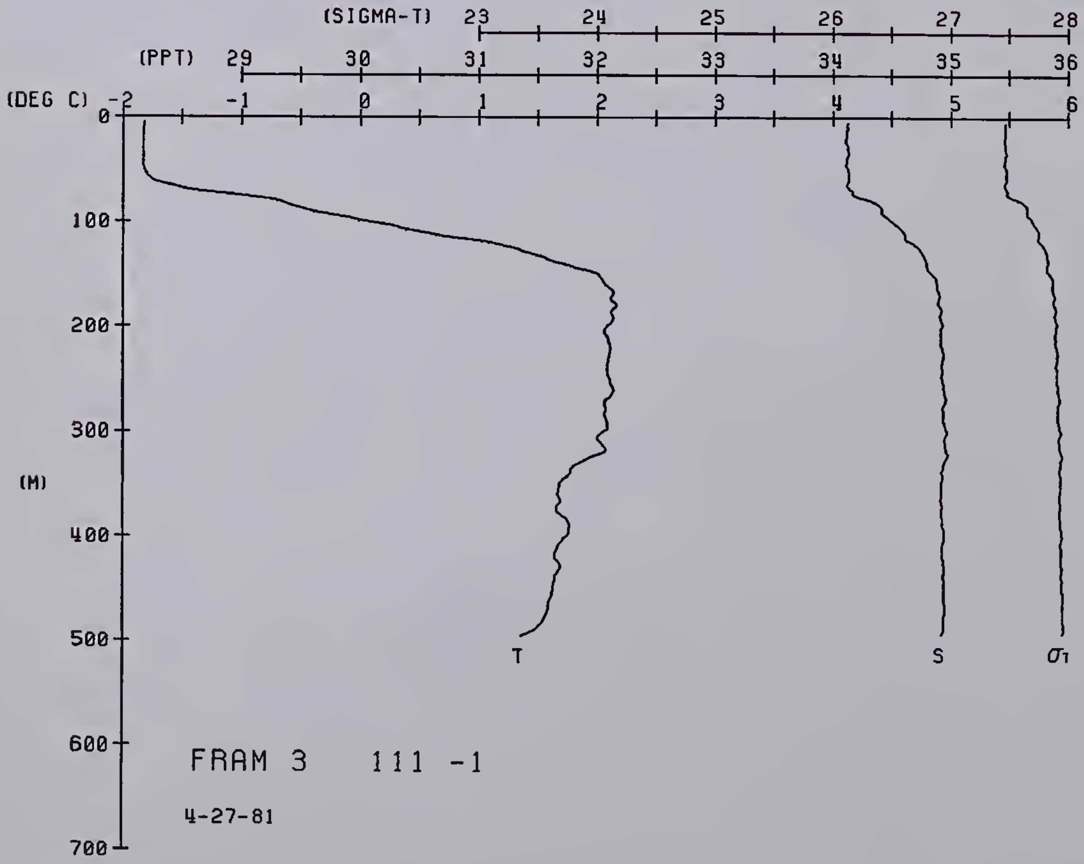
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	33.84	27.24	82.2	0.000	1439.5
4.0	-1.76	-1.77	33.84	27.24	82.1	0.003	1439.5
5.0	-1.78	-1.78	33.87	27.26	79.7	0.004	1439.5
10.0	-1.83	-1.83	33.99	27.36	70.7	0.008	1439.5
15.0	-1.84	-1.84	34.05	27.41	65.8	0.011	1439.6
20.0	-1.84	-1.84	34.06	27.41	65.4	0.015	1439.7
25.0	-1.85	-1.85	34.06	27.42	65.2	0.018	1439.8
30.0	-1.84	-1.84	34.06	27.42	64.9	0.021	1439.9
35.0	-1.85	-1.85	34.06	27.42	64.6	0.025	1440.0
40.0	-1.84	-1.84	34.06	27.42	64.9	0.028	1440.1
45.0	-1.84	-1.84	34.05	27.41	65.9	0.031	1440.1
50.0	-1.83	-1.83	34.06	27.42	64.8	0.034	1440.3
55.0	-1.81	-1.81	34.08	27.44	63.2	0.038	1440.5
60.0	-1.77	-1.77	34.10	27.44	62.2	0.041	1440.8
65.0	-1.65	-1.65	34.13	27.47	60.2	0.044	1441.5
70.0	-1.46	-1.46	34.19	27.51	55.8	0.047	1442.6
75.0	-1.11	-1.11	34.30	27.59	48.5	0.050	1444.4
80.0	-0.71	-0.71	34.37	27.63	45.1	0.052	1446.5
85.0	-0.58	-0.58	34.39	27.64	44.0	0.054	1447.2
90.0	-0.42	-0.42	34.44	27.67	40.9	0.056	1448.1
95.0	-0.16	-0.17	34.49	27.71	37.7	0.058	1449.4
100.0	0.08	0.07	34.54	27.73	35.7	0.060	1450.7
110.0	0.51	0.51	34.61	27.76	32.4	0.064	1452.9
120.0	1.11	1.10	34.70	27.80	29.3	0.067	1455.9
130.0	1.43	1.42	34.74	27.81	28.6	0.070	1457.5
140.0	1.70	1.69	34.78	27.82	27.6	0.072	1458.9
150.0	2.01	2.00	34.82	27.83	26.9	0.075	1460.5
160.0	2.06	2.05	34.84	27.84	26.2	0.078	1461.0
170.0	2.12	2.11	34.85	27.84	26.2	0.081	1461.4
180.0	2.14	2.13	34.86	27.85	25.1	0.083	1461.7
190.0	2.13	2.11	34.86	27.85	25.5	0.086	1461.8
200.0	2.06	2.05	34.86	27.85	25.2	0.088	1461.7
210.0	2.08	2.07	34.86	27.86	24.8	0.091	1461.9
220.0	2.10	2.09	34.87	27.86	24.5	0.093	1462.2
230.0	2.09	2.08	34.87	27.86	24.6	0.096	1462.3
240.0	2.08	2.07	34.87	27.86	24.4	0.098	1462.4
250.0	2.10	2.09	34.88	27.86	24.3	0.101	1462.7
260.0	2.13	2.11	34.88	27.86	24.3	0.103	1462.9
270.0	2.06	2.05	34.88	27.87	24.0	0.106	1462.8
280.0	2.06	2.04	34.88	27.87	23.6	0.108	1463.0
290.0	2.08	2.06	34.89	27.88	23.4	0.110	1463.2
300.0	2.04	2.02	34.89	27.88	23.2	0.113	1463.2
310.0	2.03	2.01	34.89	27.88	22.7	0.115	1463.4
320.0	2.04	2.03	34.89	27.88	23.4	0.117	1463.6
330.0	1.82	1.80	34.87	27.88	22.7	0.120	1462.7
340.0	1.76	1.74	34.86	27.88	22.7	0.122	1462.6
350.0	1.67	1.65	34.86	27.89	22.3	0.124	1462.4
360.0	1.66	1.64	34.86	27.89	22.3	0.127	1462.5
370.0	1.65	1.63	34.86	27.89	22.0	0.129	1462.7
380.0	1.71	1.69	34.88	27.90	21.6	0.131	1463.1
390.0	1.76	1.74	34.88	27.90	21.6	0.133	1463.5
400.0	1.72	1.70	34.88	27.90	21.6	0.135	1463.5
410.0	1.65	1.63	34.88	27.90	21.1	0.138	1463.3
420.0	1.64	1.62	34.88	27.90	20.8	0.140	1463.5
430.0	1.67	1.65	34.88	27.90	20.9	0.142	1463.8
440.0	1.64	1.62	34.88	27.90	21.1	0.144	1463.8
450.0	1.62	1.60	34.88	27.90	20.9	0.146	1463.9
460.0	1.60	1.57	34.88	27.91	20.8	0.148	1463.9
470.0	1.58	1.55	34.88	27.91	20.4	0.150	1464.0
480.0	1.53	1.51	34.88	27.91	20.0	0.152	1464.0
490.0	1.44	1.41	34.87	27.91	20.3	0.154	1463.7
494.1	1.38	1.35	34.87	27.91	20.2	0.155	1463.5

FRAM 3 STATION 111(1) CTD 27/APR/1981 1129 GMT CODE = 5
LAT = 81.9515N LNG = 5.6132E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	34.13	27.47	60.2	0.000	1439.6
4.0	-1.82	-1.82	34.13	27.47	60.1	0.002	1439.7
5.0	-1.82	-1.82	34.12	27.47	60.2	0.003	1439.7
10.0	-1.82	-1.82	34.12	27.47	60.4	0.006	1439.8
15.0	-1.83	-1.83	34.12	27.47	60.3	0.009	1439.8
20.0	-1.83	-1.83	34.11	27.46	60.9	0.012	1439.9
25.0	-1.83	-1.83	34.12	27.47	60.3	0.015	1440.0
30.0	-1.83	-1.83	34.13	27.47	59.9	0.018	1440.1
35.0	-1.83	-1.83	34.13	27.48	59.5	0.021	1440.1
40.0	-1.83	-1.83	34.12	27.47	60.3	0.024	1440.2
45.0	-1.83	-1.83	34.12	27.46	60.7	0.027	1440.3
50.0	-1.82	-1.82	34.13	27.47	59.5	0.030	1440.4
55.0	-1.79	-1.79	34.13	27.48	59.4	0.033	1440.7
60.0	-1.75	-1.75	34.14	27.48	59.1	0.036	1441.0
65.0	-1.62	-1.62	34.12	27.46	60.6	0.039	1441.6
70.0	-1.40	-1.40	34.16	27.49	58.2	0.042	1442.8
75.0	-1.01	-1.01	34.19	27.49	57.6	0.045	1444.8
80.0	-0.69	-0.69	34.34	27.60	47.5	0.048	1446.5
85.0	-0.55	-0.55	34.41	27.66	42.4	0.050	1447.3
90.0	-0.39	-0.39	34.42	27.65	42.6	0.052	1448.2
95.0	-0.14	-0.15	34.46	27.67	40.8	0.055	1449.5
100.0	0.10	0.09	34.51	27.71	37.5	0.057	1450.7
110.0	0.53	0.52	34.61	27.76	33.0	0.060	1453.0
120.0	1.12	1.11	34.67	27.78	31.6	0.063	1455.9
130.0	1.45	1.44	34.76	27.82	27.3	0.066	1457.7
140.0	1.71	1.70	34.80	27.83	26.7	0.069	1459.0
150.0	2.02	2.01	34.85	27.85	24.8	0.072	1460.6
160.0	2.08	2.07	34.88	27.87	23.0	0.074	1461.1
170.0	2.13	2.12	34.91	27.89	21.3	0.076	1461.5
180.0	2.16	2.15	34.91	27.89	21.5	0.079	1461.8
190.0	2.14	2.13	34.91	27.89	21.5	0.081	1461.9
200.0	2.08	2.07	34.93	27.91	20.1	0.083	1461.8
210.0	2.09	2.08	34.92	27.90	21.0	0.085	1462.0
220.0	2.12	2.10	34.93	27.91	20.0	0.087	1462.3
230.0	2.10	2.09	34.94	27.91	19.4	0.089	1462.4
240.0	2.09	2.08	34.93	27.91	20.0	0.091	1462.5
250.0	2.11	2.10	34.93	27.91	20.0	0.093	1462.8
260.0	2.14	2.13	34.94	27.92	19.4	0.095	1463.1
270.0	2.07	2.06	34.96	27.93	17.7	0.097	1463.0
280.0	2.07	2.05	34.94	27.92	19.4	0.099	1463.1
290.0	2.09	2.07	34.94	27.92	19.1	0.101	1463.4
300.0	2.06	2.04	34.97	27.94	17.1	0.102	1463.5
310.0	2.04	2.02	34.95	27.93	18.2	0.104	1463.5
320.0	2.05	2.04	34.97	27.94	17.0	0.106	1463.8
330.0	1.85	1.83	34.95	27.94	17.0	0.108	1463.0
340.0	1.77	1.75	34.93	27.93	17.9	0.110	1462.8
350.0	1.68	1.67	34.93	27.94	17.3	0.111	1462.6
360.0	1.67	1.66	34.92	27.94	17.6	0.113	1462.7
370.0	1.67	1.65	34.93	27.94	17.1	0.115	1462.8
380.0	1.71	1.69	34.93	27.94	17.9	0.117	1463.2
390.0	1.77	1.75	34.94	27.94	17.6	0.118	1463.6
400.0	1.74	1.72	34.95	27.95	16.3	0.120	1463.7
410.0	1.67	1.65	34.93	27.94	17.2	0.122	1463.5
420.0	1.65	1.63	34.94	27.95	16.7	0.124	1463.6
430.0	1.69	1.67	34.95	27.96	16.1	0.125	1463.9
440.0	1.65	1.63	34.94	27.95	16.4	0.127	1463.9
450.0	1.63	1.61	34.95	27.96	15.9	0.129	1464.0
460.0	1.61	1.58	34.95	27.96	15.6	0.130	1464.1
470.0	1.59	1.56	34.95	27.97	15.1	0.132	1464.2
480.0	1.55	1.52	34.95	27.96	15.4	0.133	1464.1
490.0	1.45	1.43	34.95	27.97	14.4	0.135	1463.9
496.0	1.35	1.32	34.92	27.96	15.4	0.136	1463.5


FRAM 3 110 -1

4-27-81


FRAM 3 111 -1

4-27-81

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 FRAM 3  STATION 112(1) CTD  27/APR/1981 1409 GMT  CODE = 5
LAT = 82.3083N LNG =   3.5083E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL  DYNHT   SOUND

   0.0   -1.85   -1.85   33.81   27.21   84.6   0.000   1439.0
   4.0   -1.85   -1.85   33.81   27.21   84.6   0.003   1439.1
   5.0   -1.85   -1.85   33.81   27.22   84.1   0.004   1439.1
  10.0   -1.85   -1.85   33.84   27.24   82.2   0.008   1439.2
  15.0   -1.85   -1.85   33.84   27.24   81.9   0.013   1439.3
  20.0   -1.85   -1.85   33.86   27.26   80.4   0.017   1439.4
  25.0   -1.86   -1.86   33.89   27.28   77.9   0.021   1439.5
  30.0   -1.86   -1.86   33.90   27.28   77.6   0.025   1439.6
  35.0   -1.86   -1.86   33.92   27.31   75.5   0.029   1439.7
  40.0   -1.86   -1.86   33.94   27.32   74.3   0.032   1439.8
  45.0   -1.85   -1.85   33.94   27.32   73.8   0.036   1439.9
  50.0   -1.82   -1.82   33.97   27.34   72.2   0.040   1440.2
  55.0   -1.81   -1.81   34.06   27.42   65.0   0.043   1440.5
  60.0   -1.79   -1.79   34.12   27.47   60.2   0.046   1440.7
  65.0   -1.76   -1.76   34.16   27.50   56.9   0.049   1441.0
  70.0   -1.73   -1.73   34.20   27.53   54.5   0.052   1441.3
  75.0   -1.74   -1.74   34.21   27.54   53.2   0.055   1441.3
  80.0   -1.74   -1.74   34.21   27.54   53.5   0.058   1441.4
  85.0   -1.67   -1.67   34.22   27.54   53.1   0.060   1441.9
  90.0   -1.50   -1.50   34.23   27.54   52.7   0.063   1442.8
  95.0   -1.29   -1.29   34.27   27.57   49.9   0.066   1443.9
 100.0   -1.13   -1.13   34.33   27.62   46.0   0.068   1444.8
 110.0   -0.88   -0.88   34.39   27.66   42.3   0.072   1446.2
 120.0   -0.35   -0.35   34.48   27.70   37.9   0.076   1449.0
 130.0    0.36    0.36   34.59   27.76   33.3   0.080   1452.5
 140.0    1.00    1.00   34.72   27.82   27.3   0.083   1455.8
 150.0    1.41    1.40   34.80   27.85   24.3   0.086   1457.9
 160.0    1.87    1.86   34.84   27.85   24.9   0.088   1460.1
 170.0    2.22    2.21   34.90   27.88   22.8   0.091   1461.9
 180.0    2.23    2.22   34.94   27.90   20.4   0.093   1462.2
 190.0    2.19    2.18   34.94   27.91   19.9   0.095   1462.1
 200.0    2.12    2.11   34.93   27.91   20.1   0.097   1462.0
 210.0    2.02    2.00   34.93   27.91   19.4   0.099   1461.7
 220.0    2.07    2.06   34.90   27.89   21.7   0.101   1462.1
 230.0    2.14    2.13   34.96   27.93   18.2   0.103   1462.6
 240.0    2.15    2.13   34.94   27.91   19.5   0.105   1462.8
 250.0    2.25    2.23   34.96   27.92   19.2   0.107   1463.4
 260.0    2.37    2.35   34.98   27.93   18.4   0.109   1464.2
 270.0    2.36    2.35   34.98   27.93   18.4   0.111   1464.3
 280.0    2.34    2.32   34.99   27.94   17.7   0.112   1464.3
 290.0    2.29    2.27   34.99   27.94   17.1   0.114   1464.3
 300.0    2.25    2.23   34.99   27.94   17.4   0.116   1464.3
 310.0    2.25    2.23   34.99   27.94   17.3   0.118   1464.5
 320.0    2.24    2.22   34.99   27.95   17.1   0.119   1464.6
 330.0    2.23    2.21   35.00   27.95   16.8   0.121   1464.7
 340.0    2.20    2.18   35.00   27.96   16.2   0.123   1464.7
 350.0    2.21    2.19   35.00   27.95   16.4   0.124   1465.0
 360.0    2.18    2.16   35.00   27.96   16.3   0.126   1465.0
 370.0    2.17    2.15   35.01   27.96   15.6   0.128   1465.1
 380.0    1.98    1.96   35.00   27.97   14.5   0.129   1464.5
 390.0    1.87    1.85   34.97   27.96   15.6   0.131   1464.1
 400.0    1.83    1.81   34.97   27.96   15.9   0.132   1464.1
 410.0    1.77    1.75   34.96   27.96   15.8   0.134   1464.0
 420.0    1.75    1.73   34.97   27.97   15.2   0.136   1464.1
 430.0    1.75    1.72   34.97   27.97   14.9   0.137   1464.2
 440.0    1.77    1.75   34.98   27.97   14.5   0.139   1464.5
 450.0    1.71    1.69   34.98   27.98   13.9   0.140   1464.4
 460.0    1.52    1.49   34.97   27.98   13.6   0.141   1463.7
 470.0    1.47    1.45   34.96   27.98   13.3   0.143   1463.7
 480.0    1.45    1.42   34.96   27.98   13.7   0.144   1463.7
 490.0    1.37    1.35   34.97   27.99   12.5   0.145   1463.6
 500.0    1.37    1.34   34.95   27.98   13.8   0.147   1463.7
 500.0    1.37    1.34   34.95   27.98   13.8   0.147   1463.7
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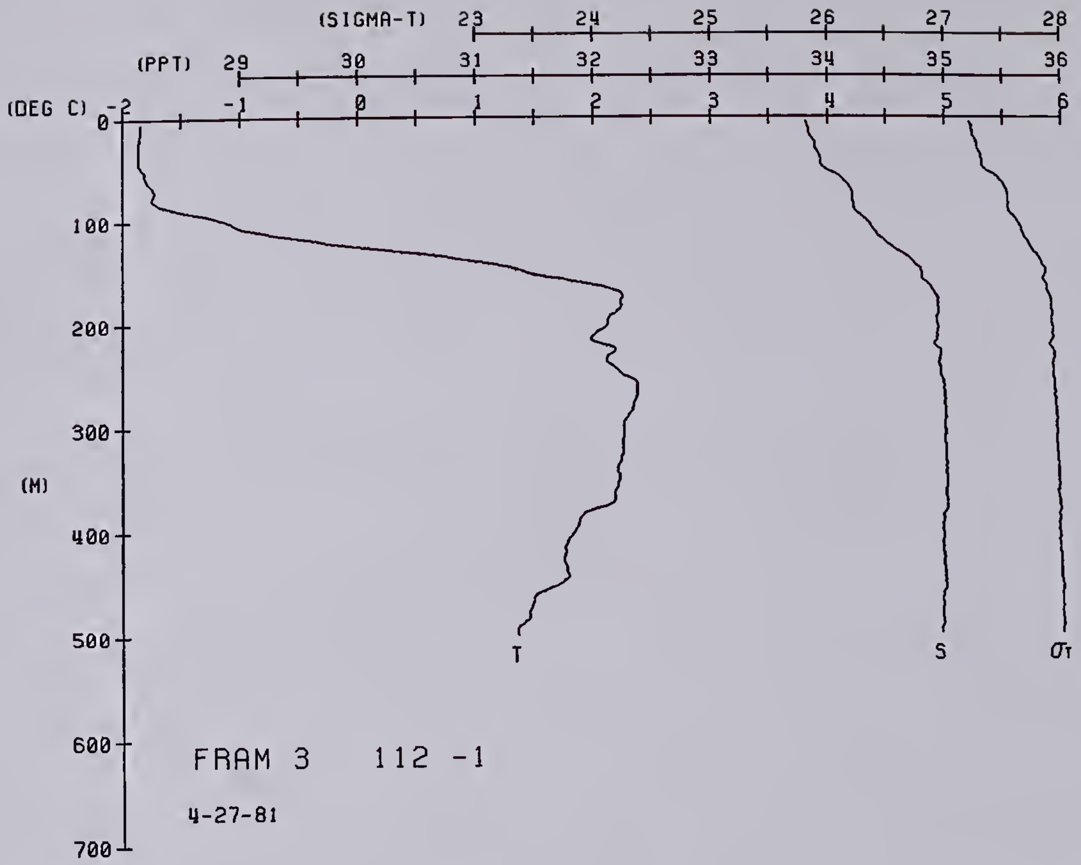
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0
100
200
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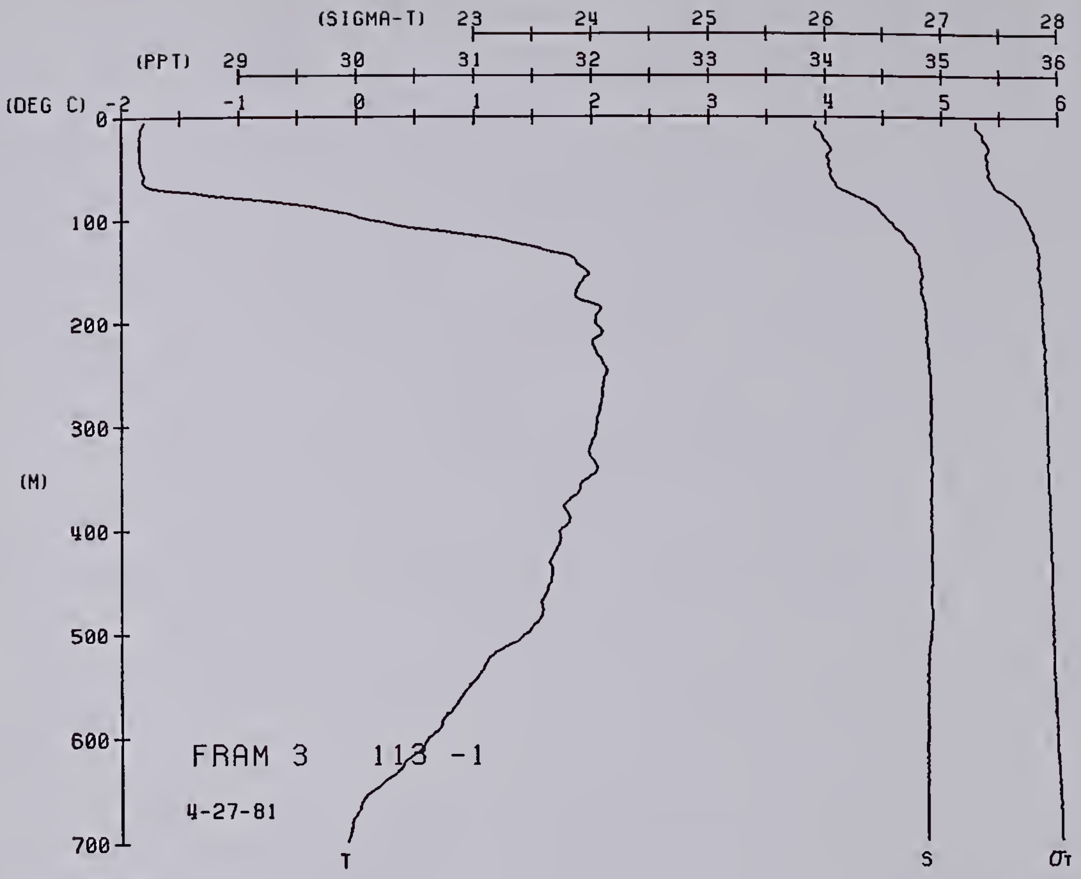
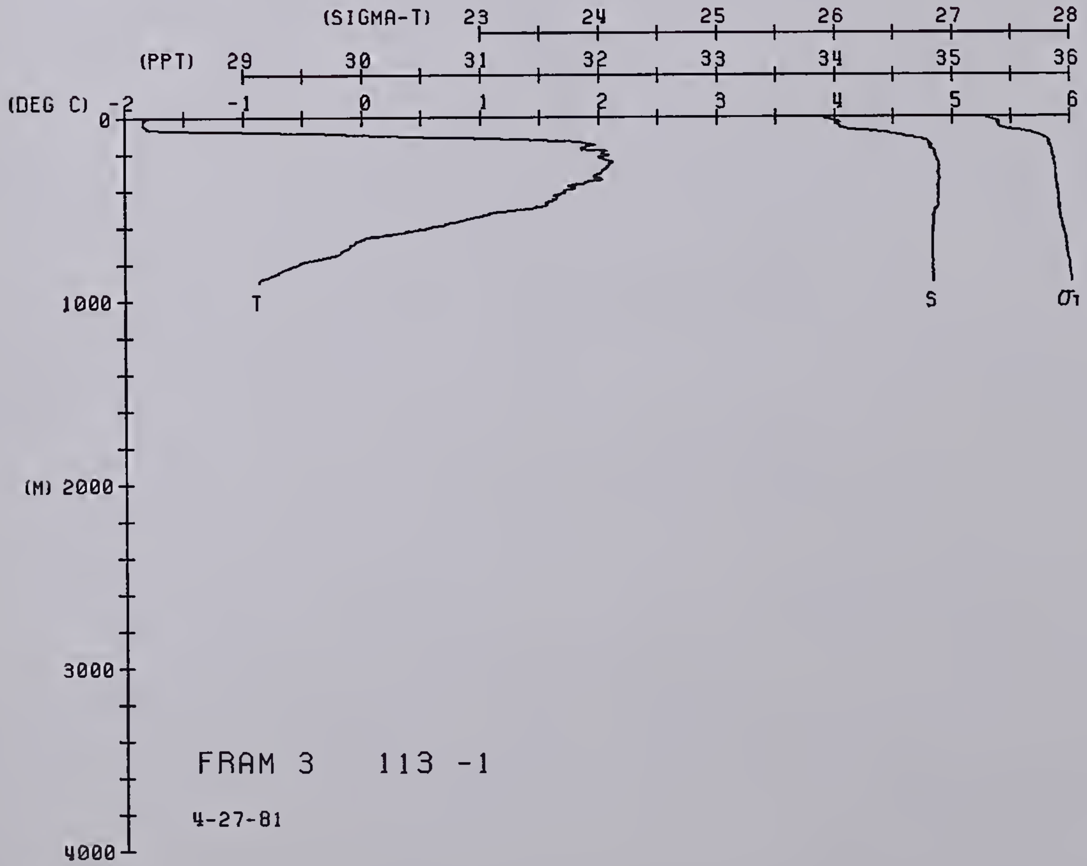
FRAM 3 112 -1
4-27-81

FRAM 3 STATION 113(1) CTD 27/APR/1981 1447 GMT CODE = 5
LAT = 81.9460N LNG = 5.5577E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.92	27.30	76.4	0.000	1439.4
4.0	-1.80	-1.81	33.92	27.30	76.3	0.003	1439.4
5.0	-1.81	-1.81	33.92	27.30	76.4	0.004	1439.5
10.0	-1.83	-1.83	33.91	27.30	76.7	0.008	1439.4
15.0	-1.84	-1.84	33.96	27.34	72.6	0.012	1439.5
20.0	-1.84	-1.84	33.98	27.35	71.2	0.015	1439.6
25.0	-1.84	-1.84	34.02	27.38	68.2	0.019	1439.8
30.0	-1.85	-1.85	34.05	27.41	65.9	0.022	1439.9
35.0	-1.85	-1.85	34.03	27.40	67.0	0.025	1439.9
40.0	-1.85	-1.85	34.02	27.38	68.0	0.029	1440.0
45.0	-1.84	-1.84	34.03	27.39	67.3	0.032	1440.1
50.0	-1.83	-1.83	34.04	27.40	66.6	0.036	1440.3
55.0	-1.81	-1.81	34.04	27.40	66.1	0.039	1440.4
60.0	-1.81	-1.81	34.06	27.42	64.9	0.042	1440.5
65.0	-1.80	-1.80	34.09	27.44	62.9	0.046	1440.7
70.0	-1.68	-1.68	34.13	27.47	60.0	0.049	1441.4
75.0	-1.32	-1.32	34.22	27.53	53.9	0.052	1443.3
80.0	-0.94	-0.94	34.32	27.60	47.9	0.054	1445.3
85.0	-0.52	-0.53	34.40	27.65	42.9	0.056	1447.5
90.0	-0.26	-0.26	34.46	27.69	39.7	0.058	1448.9
95.0	-0.05	-0.06	34.49	27.70	38.3	0.060	1449.9
100.0	0.10	0.10	34.54	27.73	35.6	0.062	1450.8
110.0	0.61	0.61	34.63	27.77	32.0	0.066	1453.4
120.0	1.24	1.23	34.70	27.79	30.5	0.069	1456.5
130.0	1.61	1.61	34.77	27.82	27.5	0.072	1458.4
140.0	1.87	1.86	34.81	27.83	27.1	0.075	1459.7
150.0	1.96	1.95	34.82	27.83	26.6	0.077	1460.3
160.0	1.91	1.90	34.81	27.83	26.9	0.080	1460.2
170.0	1.86	1.85	34.82	27.84	26.1	0.083	1460.2
180.0	1.95	1.94	34.84	27.85	25.1	0.085	1460.8
190.0	2.05	2.04	34.85	27.85	25.3	0.088	1461.4
200.0	2.03	2.02	34.85	27.85	25.2	0.090	1461.5
210.0	2.08	2.07	34.86	27.86	24.8	0.093	1461.9
220.0	2.00	1.99	34.86	27.86	24.4	0.095	1461.7
230.0	2.04	2.03	34.87	27.86	24.1	0.098	1462.1
240.0	2.09	2.08	34.88	27.87	23.9	0.100	1462.5
250.0	2.11	2.10	34.89	27.87	23.6	0.103	1462.7
260.0	2.09	2.08	34.89	27.87	23.4	0.105	1462.8
270.0	2.08	2.06	34.89	27.88	23.2	0.107	1462.9
280.0	2.07	2.05	34.89	27.88	23.1	0.110	1463.0
290.0	2.04	2.02	34.89	27.88	22.8	0.112	1463.1
300.0	2.03	2.01	34.89	27.88	23.0	0.114	1463.2
310.0	2.01	1.99	34.88	27.88	23.2	0.117	1463.3
320.0	1.98	1.96	34.89	27.88	22.8	0.119	1463.3
330.0	1.98	1.96	34.89	27.88	22.6	0.121	1463.5
340.0	2.04	2.02	34.89	27.88	23.2	0.124	1463.9
350.0	1.96	1.94	34.89	27.89	22.4	0.126	1463.7
360.0	1.88	1.87	34.89	27.89	22.2	0.128	1463.6
370.0	1.81	1.79	34.88	27.89	22.0	0.130	1463.4
380.0	1.76	1.74	34.88	27.90	21.4	0.133	1463.4
390.0	1.80	1.78	34.89	27.90	21.6	0.135	1463.7
400.0	1.72	1.70	34.88	27.90	21.4	0.137	1463.5
410.0	1.72	1.69	34.89	27.90	21.0	0.139	1463.6
420.0	1.68	1.65	34.89	27.91	20.7	0.141	1463.6
430.0	1.63	1.61	34.88	27.91	20.8	0.143	1463.6
440.0	1.65	1.63	34.88	27.91	20.7	0.146	1463.9
450.0	1.63	1.61	34.89	27.91	20.6	0.148	1463.9
460.0	1.60	1.58	34.88	27.91	20.7	0.150	1464.0
470.0	1.56	1.53	34.88	27.91	20.5	0.152	1463.9
480.0	1.57	1.54	34.89	27.91	20.1	0.154	1464.1
490.0	1.51	1.48	34.88	27.91	20.2	0.156	1464.0
500.0	1.42	1.40	34.87	27.91	20.1	0.158	1463.8
530.0	1.08	1.05	34.85	27.92	18.9	0.164	1462.7
560.0	0.87	0.84	34.85	27.93	17.9	0.169	1462.3
590.0	0.69	0.67	34.85	27.94	16.6	0.175	1462.0
620.0	0.42	0.39	34.83	27.95	15.5	0.180	1461.3
650.0	0.12	0.10	34.83	27.97	13.4	0.184	1460.4
680.0	-0.05	-0.08	34.83	27.97	12.3	0.188	1460.2
710.0	-0.10	-0.13	34.83	27.98	11.9	0.192	1460.4
740.0	-0.18	-0.21	34.83	27.98	11.4	0.195	1460.6
790.0	-0.49	-0.52	34.83	28.00	9.1	0.200	1460.0
840.0	-0.69	-0.72	34.84	28.01	7.6	0.205	1459.9
890.0	-0.86	-0.89	34.84	28.02	6.2	0.208	1460.0
901.3	-0.87	-0.90	34.85	28.02	5.5	0.209	1460.1


FRAM 3 113 -1

4-27-81


FRAM 3 113 -1

4-27-81

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 FRAM 3  STATION 114(1) CTD  27/APR/1981 1512 GMT  CODE = 5
LAT = 82.3400N LNG =   1.7300E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP    PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   33.48   26.95   109.7   0.000   1438.5
   4.0   -1.86   -1.86   33.48   26.95   109.7   0.004   1438.6
   5.0   -1.85   -1.85   33.48   26.95   109.8   0.006   1438.6
  10.0   -1.85   -1.85   33.48   26.94   110.2   0.011   1438.7
  15.0   -1.86   -1.86   33.49   26.95   109.2   0.017   1438.8
  20.0   -1.86   -1.86   33.50   26.97   107.8   0.022   1438.9
  25.0   -1.86   -1.86   33.52   26.98   106.8   0.028   1439.0
  30.0   -1.86   -1.86   33.53   26.99   105.9   0.033   1439.1
  35.0   -1.86   -1.86   33.53   26.98   106.0   0.038   1439.1
  40.0   -1.87   -1.87   33.54   27.00   104.7   0.044   1439.2
  45.0   -1.87   -1.87   33.59   27.04   101.0   0.049   1439.4
  50.0   -1.87   -1.87   33.69   27.12    93.0   0.054   1439.6
  55.0   -1.87   -1.87   33.79   27.20    85.4   0.058   1439.8
  60.0   -1.87   -1.87   33.87   27.26    79.3   0.062   1440.0
  65.0   -1.87   -1.87   33.96   27.33    72.7   0.066   1440.2
  70.0   -1.85   -1.85   34.05   27.41    65.4   0.070   1440.5
  75.0   -1.83   -1.83   34.11   27.46    60.8   0.073   1440.8
  80.0   -1.83   -1.83   34.14   27.48    58.3   0.076   1440.9
  85.0   -1.84   -1.84   34.16   27.50    57.2   0.079   1441.0
  90.0   -1.82   -1.82   34.16   27.50    56.8   0.082   1441.1
  95.0   -1.78   -1.79   34.19   27.52    55.1   0.085   1441.4
 100.0   -1.79   -1.79   34.20   27.53    54.0   0.087   1441.5
 110.0   -1.77   -1.77   34.20   27.53    53.8   0.093   1441.8
 120.0   -1.76   -1.77   34.22   27.55    52.1   0.098   1442.0
 130.0   -1.54   -1.55   34.25   27.57    50.2   0.103   1443.2
 140.0   -1.40   -1.41   34.32   27.61    46.0   0.108   1444.2
 150.0   -1.08   -1.08   34.38   27.65    42.4   0.113   1445.9
 160.0   -0.75   -0.76   34.46   27.70    37.7   0.117   1447.7
 170.0   -0.36   -0.37   34.51   27.73    35.4   0.120   1449.8
 180.0   -0.17   -0.18   34.58   27.78    30.8   0.124   1450.9
 190.0    0.01    0.00   34.62   27.80    29.0   0.127   1452.0
 200.0    0.21    0.20   34.66   27.82    26.9   0.130   1453.1
 210.0    0.60    0.59   34.72   27.85    24.6   0.132   1455.1
 220.0    0.74    0.73   34.76   27.87    22.9   0.135   1456.0
 230.0    0.99    0.98   34.80   27.89    21.3   0.137   1457.3
 240.0    1.42    1.41   34.85   27.90    20.6   0.139   1459.5
 250.0    1.60    1.58   34.91   27.93    17.8   0.141   1460.5
 260.0    1.53    1.52   34.92   27.94    16.6   0.143   1460.4
 270.0    1.64    1.63   34.93   27.94    16.9   0.144   1461.0
 280.0    1.52    1.51   34.95   27.97    14.0   0.146   1460.7
 290.0    1.35    1.33   34.92   27.96    15.2   0.147   1460.1
 300.0    1.46    1.44   34.93   27.96    15.2   0.149   1460.7
 310.0    1.59    1.57   34.95   27.97    14.5   0.150   1461.5
 320.0    1.64    1.62   34.98   27.98    13.0   0.152   1461.9
 330.0    1.56    1.55   34.95   27.97    14.5   0.153   1461.7
 340.0    1.57    1.55   34.97   27.98    13.0   0.155   1461.9
 350.0    1.28    1.27   34.96   27.99    11.9   0.156   1460.8
 360.0    1.31    1.29   34.94   27.98    13.5   0.157   1461.1
 370.0    1.30    1.28   34.96   27.99    12.2   0.158   1461.2
 380.0    1.31    1.29   34.94   27.98    13.5   0.160   1461.4
 390.0    1.38    1.35   34.96   27.99    12.3   0.161   1461.9
 400.0    1.35    1.33   34.97   28.00    11.4   0.162   1462.0
 410.0    1.37    1.35   34.97   27.99    12.2   0.163   1462.2
 420.0    1.34    1.32   34.97   28.00    11.4   0.165   1462.3
 430.0    1.25    1.22   34.96   28.00    11.6   0.166   1462.0
 440.0    1.12    1.09   34.96   28.00    10.9   0.167   1461.6
 450.0    1.01    0.99   34.95   28.00    10.9   0.168   1461.3
 460.0    0.95    0.93   34.93   28.00    11.6   0.169   1461.2
 470.0    0.99    0.96   34.94   28.00    11.4   0.170   1461.5
 480.0    0.99    0.97   34.95   28.01    10.5   0.171   1461.7
 490.0    0.95    0.93   34.96   28.01    10.1   0.173   1461.7
 498.0    0.94    0.92   34.96   28.01    10.0   0.173   1461.8
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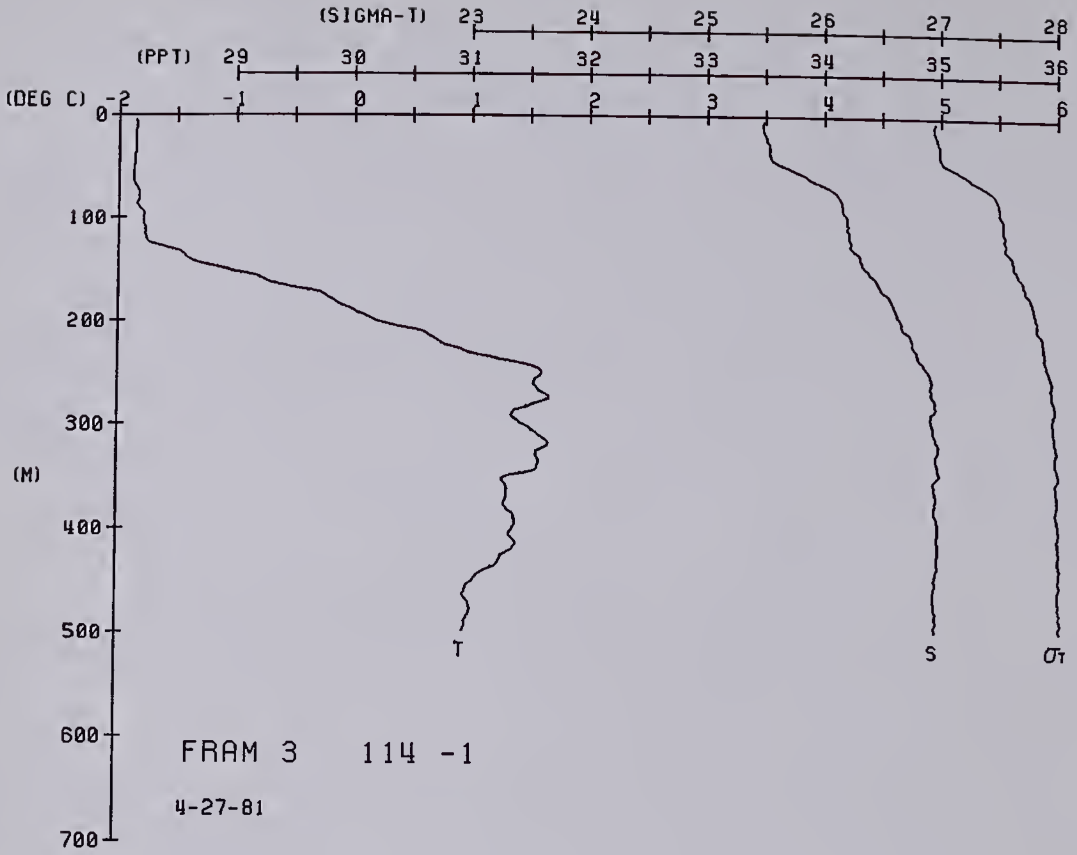
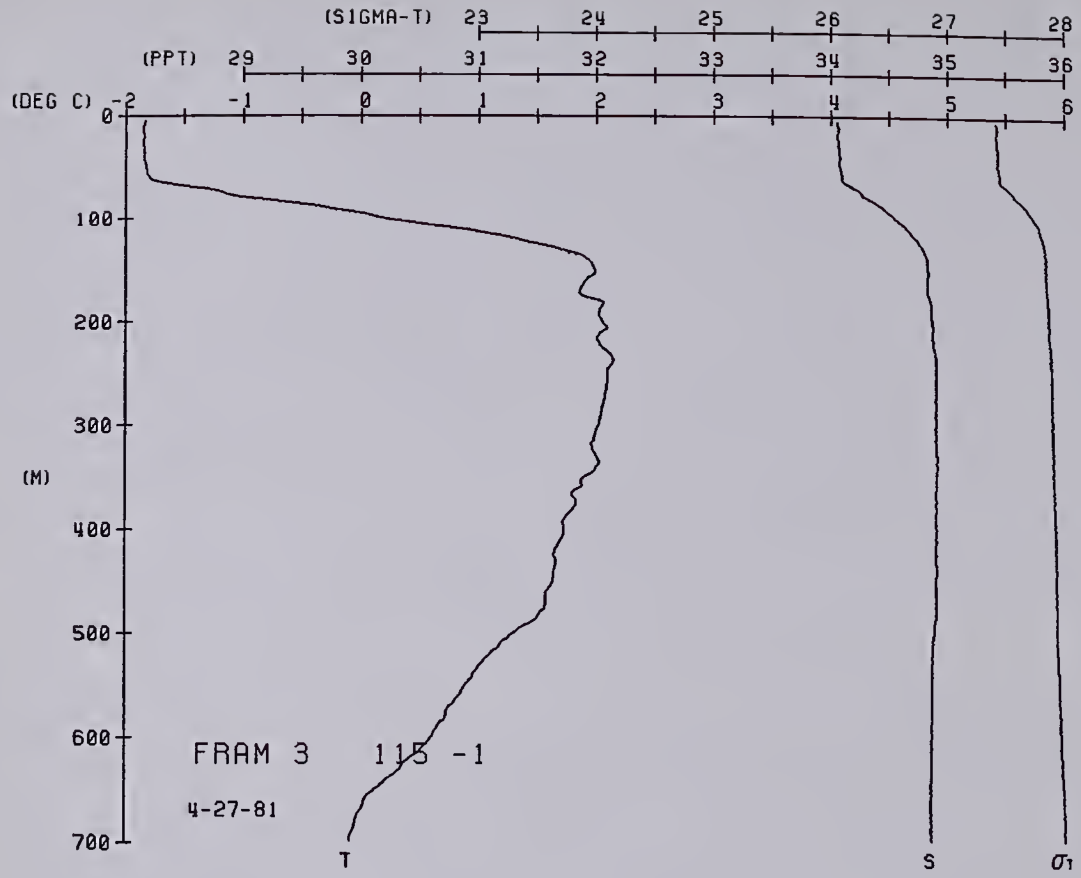


FRAM 3 114 -1

4-27-81

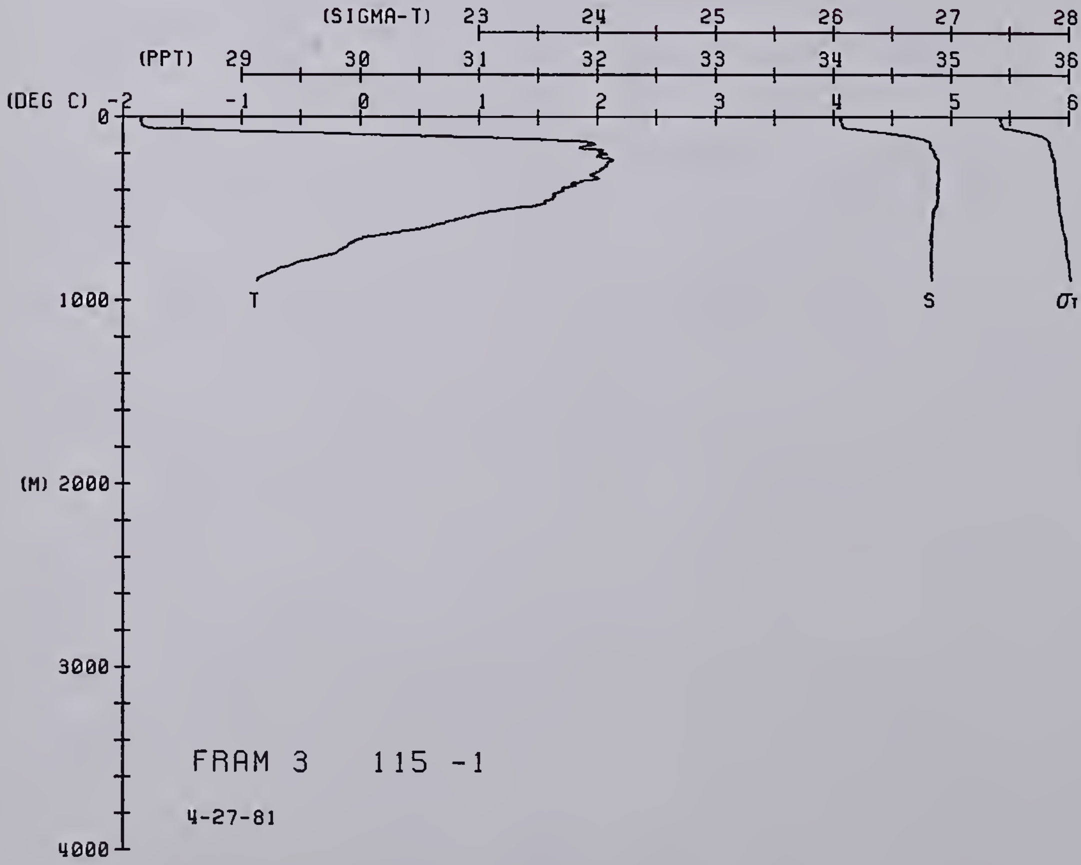
FRAM 3 STATION 115(1) CTD 27/APR/1981 1518 GMT CODE = 5
LAT = 81.9455N LNG = 5.5565E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	34.05	27.41	66.1	0.000	1439.4
4.0	-1.83	-1.83	34.05	27.41	66.0	0.003	1439.5
5.0	-1.84	-1.84	34.06	27.41	65.6	0.003	1439.5
10.0	-1.85	-1.85	34.07	27.42	64.5	0.007	1439.6
15.0	-1.85	-1.85	34.06	27.42	64.8	0.010	1439.6
20.0	-1.85	-1.85	34.06	27.42	65.0	0.013	1439.7
25.0	-1.85	-1.85	34.06	27.42	64.8	0.016	1439.8
30.0	-1.85	-1.85	34.07	27.42	64.4	0.020	1439.9
35.0	-1.85	-1.85	34.07	27.43	63.8	0.023	1440.0
40.0	-1.85	-1.85	34.08	27.43	63.5	0.026	1440.1
45.0	-1.84	-1.84	34.07	27.43	64.0	0.029	1440.2
50.0	-1.83	-1.83	34.08	27.44	63.0	0.033	1440.3
55.0	-1.82	-1.82	34.09	27.44	62.5	0.036	1440.5
60.0	-1.79	-1.79	34.10	27.45	62.1	0.039	1440.7
65.0	-1.69	-1.69	34.13	27.47	59.7	0.042	1441.3
70.0	-1.37	-1.37	34.21	27.53	54.3	0.045	1443.0
75.0	-1.16	-1.16	34.26	27.56	51.1	0.048	1444.1
80.0	-0.96	-0.96	34.32	27.60	47.8	0.050	1445.2
85.0	-0.55	-0.55	34.40	27.65	43.1	0.052	1447.4
90.0	-0.25	-0.25	34.47	27.69	39.5	0.054	1448.9
95.0	0.01	0.01	34.52	27.72	36.4	0.056	1450.3
100.0	0.21	0.21	34.57	27.75	34.1	0.058	1451.3
110.0	0.85	0.85	34.66	27.78	30.6	0.061	1454.5
120.0	1.34	1.34	34.74	27.81	28.2	0.064	1457.0
130.0	1.73	1.72	34.80	27.83	26.8	0.067	1458.9
140.0	1.94	1.93	34.82	27.84	26.3	0.070	1460.1
150.0	1.99	1.98	34.83	27.84	26.3	0.073	1460.5
160.0	1.90	1.89	34.82	27.84	26.1	0.075	1460.2
170.0	1.86	1.85	34.83	27.84	25.7	0.078	1460.2
180.0	2.05	2.04	34.85	27.85	25.2	0.080	1461.2
190.0	2.02	2.01	34.85	27.85	25.0	0.083	1461.3
200.0	2.06	2.05	34.86	27.86	24.5	0.085	1461.6
210.0	2.04	2.03	34.86	27.86	24.4	0.088	1461.7
220.0	2.02	2.01	34.87	27.87	23.8	0.090	1461.8
230.0	2.12	2.10	34.89	27.87	23.3	0.093	1462.4
240.0	2.13	2.11	34.89	27.88	23.2	0.095	1462.6
250.0	2.09	2.08	34.89	27.88	22.9	0.097	1462.6
260.0	2.08	2.07	34.90	27.88	22.5	0.100	1462.8
270.0	2.07	2.05	34.90	27.88	22.5	0.102	1462.9
280.0	2.05	2.03	34.89	27.88	22.7	0.104	1463.0
290.0	2.03	2.02	34.89	27.88	22.7	0.107	1463.1
300.0	2.01	1.99	34.89	27.88	22.5	0.109	1463.1
310.0	1.98	1.96	34.89	27.89	22.2	0.111	1463.2
320.0	1.96	1.94	34.89	27.89	22.3	0.113	1463.2
330.0	2.00	1.98	34.90	27.89	21.8	0.116	1463.6
340.0	1.99	1.97	34.90	27.89	21.7	0.118	1463.7
350.0	1.88	1.86	34.89	27.90	21.6	0.120	1463.4
360.0	1.85	1.83	34.89	27.90	21.5	0.122	1463.4
370.0	1.81	1.79	34.89	27.90	21.3	0.124	1463.4
380.0	1.80	1.77	34.89	27.90	21.2	0.126	1463.5
390.0	1.72	1.70	34.88	27.90	21.0	0.129	1463.3
400.0	1.72	1.69	34.90	27.91	20.3	0.131	1463.5
410.0	1.69	1.66	34.89	27.91	20.3	0.133	1463.5
420.0	1.64	1.62	34.89	27.91	20.3	0.135	1463.5
430.0	1.65	1.63	34.89	27.91	20.4	0.137	1463.7
440.0	1.63	1.61	34.90	27.92	19.7	0.139	1463.8
450.0	1.62	1.59	34.89	27.91	20.2	0.141	1463.9
460.0	1.57	1.54	34.89	27.91	20.0	0.143	1463.8
470.0	1.56	1.53	34.89	27.92	19.9	0.145	1464.0
480.0	1.51	1.49	34.89	27.92	19.7	0.147	1463.9
490.0	1.43	1.40	34.87	27.91	19.8	0.149	1463.7
500.0	1.28	1.26	34.87	27.92	19.2	0.151	1463.2
530.0	1.00	0.97	34.85	27.93	18.3	0.157	1462.4
560.0	0.82	0.79	34.85	27.94	17.3	0.162	1462.1
590.0	0.63	0.60	34.84	27.94	16.2	0.167	1461.8
620.0	0.39	0.37	34.84	27.95	14.9	0.172	1461.2
650.0	0.10	0.08	34.84	27.97	12.9	0.176	1460.4
680.0	-0.05	-0.08	34.84	27.98	12.0	0.180	1460.2
710.0	-0.12	-0.15	34.84	27.98	11.5	0.183	1460.3
740.0	-0.19	-0.23	34.83	27.98	11.1	0.187	1460.5
790.0	-0.51	-0.54	34.84	28.00	8.7	0.192	1459.9
840.0	-0.71	-0.74	34.84	28.01	7.3	0.196	1459.8
890.0	-0.86	-0.90	34.84	28.02	6.1	0.199	1459.9
895.4	-0.87	-0.90	34.84	28.02	5.9	0.200	1460.0



FRAM 3 115 -1

4-27-81



FRAM 3 115 -1

4-27-81

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 FRAM 3  STATION 116(1) CTD  27/APR/1981 1631 GMT  CODE = 5
LAT = 81.6617N LNG =   1.8100E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.86   -1.86   34.27   27.59    49.0   0.000  1439.6
    4.0  -1.86   -1.86   34.27   27.59    48.9   0.002  1439.7
    5.0  -1.86   -1.86   34.27   27.59    48.8   0.002  1439.7
   10.0  -1.85   -1.85   34.28   27.60    48.1   0.005  1439.8
   15.0  -1.85   -1.85   34.27   27.59    48.9   0.007  1439.9
   20.0  -1.84   -1.84   34.26   27.58    49.7   0.010  1440.0
   25.0  -1.83   -1.83   34.25   27.57    50.7   0.012  1440.1
   30.0  -1.83   -1.83   34.24   27.56    51.1   0.015  1440.2
   35.0  -1.83   -1.83   34.25   27.58    50.0   0.018  1440.3
   40.0  -1.83   -1.83   34.25   27.58    50.0   0.020  1440.4
   45.0  -1.83   -1.83   34.24   27.56    51.0   0.023  1440.5
   50.0  -1.83   -1.83   34.24   27.57    50.8   0.025  1440.6
   55.0  -1.82   -1.82   34.25   27.57    50.5   0.028  1440.7
   60.0  -1.80   -1.80   34.25   27.58    49.9   0.030  1440.9
   65.0  -1.73   -1.73   34.25   27.57    50.7   0.033  1441.3
   70.0  -1.45   -1.45   34.25   27.56    51.1   0.035  1442.7
   75.0  -1.02   -1.02   34.39   27.66    41.9   0.038  1445.0
   80.0  -0.79   -0.79   34.46   27.71    37.6   0.040  1446.2
   85.0  -0.16   -0.17   34.47   27.69    39.4   0.042  1449.2
   90.0   0.21    0.21   34.61   27.78    30.8   0.043  1451.2
   95.0   0.53    0.52   34.64   27.79    30.3   0.045  1452.8
  100.0   0.85    0.85   34.70   27.82    27.7   0.046  1454.4
  110.0   1.67    1.66   34.80   27.84    26.0   0.049  1458.4
  120.0   1.44    1.43   34.90   27.93    16.9   0.051  1457.6
  130.0   1.57    1.57   34.88   27.91    19.4   0.053  1458.4
  140.0   1.70    1.69   34.91   27.92    18.3   0.055  1459.1
  150.0   1.83    1.82   34.92   27.92    18.5   0.057  1459.9
  160.0   1.98    1.98   34.95   27.94    17.0   0.059  1460.8
  170.0   2.01    2.00   34.96   27.94    17.0   0.061  1461.1
  180.0   1.93    1.92   34.99   27.97    14.1   0.062  1460.9
  190.0   1.98    1.97   34.95   27.93    17.3   0.064  1461.3
  200.0   2.03    2.02   34.99   27.96    14.9   0.065  1461.7
  210.0   1.95    1.94   34.99   27.97    14.3   0.067  1461.5
  220.0   1.92    1.91   34.97   27.95    15.6   0.068  1461.5
  230.0   1.96    1.94   34.97   27.95    15.9   0.070  1461.8
  240.0   2.00    1.98   34.98   27.96    15.5   0.071  1462.2
  250.0   1.92    1.91   34.99   27.97    14.4   0.073  1462.0
  260.0   1.99    1.98   34.97   27.95    16.1   0.075  1462.5
  270.0   2.11    2.09   35.01   27.97    14.4   0.076  1463.2
  280.0   2.11    2.09   35.01   27.97    14.1   0.078  1463.4
  290.0   2.02    2.01   35.01   27.98    13.9   0.079  1463.2
  300.0   2.11    2.09   35.01   27.97    14.3   0.080  1463.7
  310.0   2.18    2.17   35.03   27.98    13.5   0.082  1464.2
  320.0   2.12    2.10   35.03   27.99    13.1   0.083  1464.1
  330.0   2.04    2.02   35.02   27.99    13.1   0.084  1463.9
  340.0   1.95    1.93   35.00   27.98    13.7   0.086  1463.7
  350.0   1.86    1.84   35.00   27.98    13.2   0.087  1463.4
  360.0   1.90    1.88   35.01   27.98    13.3   0.089  1463.8
  370.0   1.87    1.85   35.01   27.99    13.1   0.090  1463.8
  380.0   1.84    1.82   35.01   27.99    12.6   0.091  1463.9
  390.0   1.78    1.76   35.01   28.00    11.8   0.092  1463.8
  400.0   1.71    1.69   35.00   28.00    12.3   0.094  1463.6
  410.0   1.69    1.66   34.99   27.99    12.7   0.095  1463.7
  420.0   1.66    1.64   35.00   28.00    11.8   0.096  1463.7
  430.0   1.64    1.62   35.00   28.00    12.1   0.097  1463.8
  440.0   1.65    1.63   35.01   28.00    11.5   0.099  1464.0
  450.0   1.65    1.63   35.01   28.01    11.4   0.100  1464.2
  460.0   1.64    1.61   35.00   28.00    11.9   0.101  1464.3
  470.0   1.63    1.60   35.01   28.00    11.6   0.102  1464.4
  480.0   1.59    1.56   35.01   28.01    11.1   0.103  1464.4
  490.0   1.53    1.50   35.00   28.01    11.2   0.104  1464.3
  497.0   1.51    1.48   35.01   28.01    10.7   0.105  1464.3
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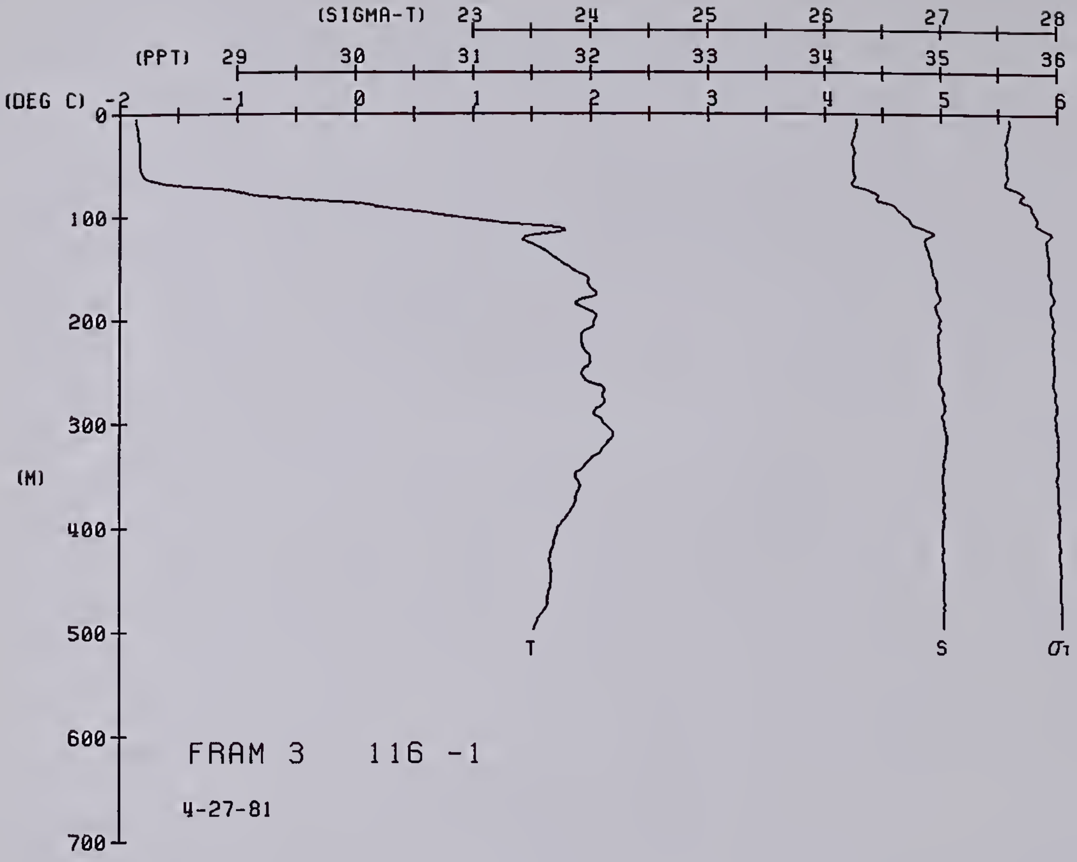
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
0
100
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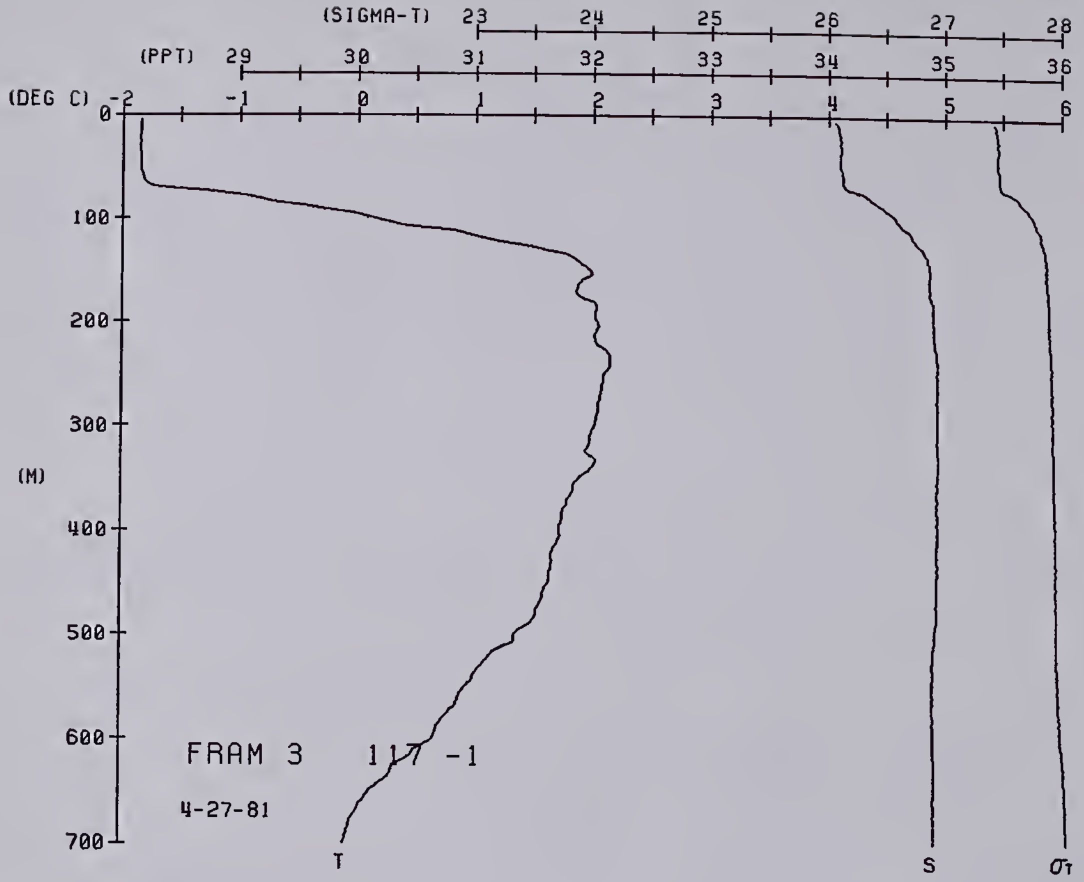
300
400
500
600
700
T
S
σT
FRAM 3 116 -1
4-27-81

FRAM 3 STATION 117(1) CTD 27/APR/1981 1646 GMT CODE = 5
LAT = 81.9400N LNG =   5.5477E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.05	27.41	66.0	0.000	1439.4
4.0	-1.85	-1.85	34.05	27.41	66.0	0.003	1439.4
5.0	-1.85	-1.85	34.06	27.42	65.0	0.003	1439.5
10.0	-1.84	-1.84	34.09	27.44	62.8	0.007	1439.6
15.0	-1.84	-1.84	34.09	27.45	62.5	0.010	1439.7
20.0	-1.85	-1.85	34.10	27.45	61.7	0.013	1439.8
25.0	-1.85	-1.85	34.10	27.45	61.7	0.016	1439.9
30.0	-1.85	-1.85	34.11	27.46	61.2	0.019	1439.9
35.0	-1.85	-1.85	34.11	27.46	61.3	0.022	1440.0
40.0	-1.85	-1.85	34.11	27.45	61.4	0.025	1440.1
45.0	-1.85	-1.85	34.11	27.46	61.3	0.028	1440.2
50.0	-1.85	-1.85	34.11	27.46	60.8	0.031	1440.3
55.0	-1.83	-1.83	34.12	27.47	60.1	0.035	1440.4
60.0	-1.82	-1.82	34.12	27.47	59.9	0.038	1440.6
65.0	-1.80	-1.80	34.13	27.48	59.2	0.041	1440.8
70.0	-1.68	-1.68	34.17	27.50	56.9	0.044	1441.5
75.0	-1.20	-1.21	34.31	27.60	47.7	0.046	1444.0
80.0	-0.88	-0.89	34.37	27.64	44.2	0.048	1445.7
85.0	-0.66	-0.66	34.43	27.68	40.5	0.051	1446.9
90.0	-0.32	-0.32	34.50	27.72	36.5	0.053	1448.6
95.0	-0.04	-0.05	34.56	27.75	33.3	0.054	1450.1
100.0	0.15	0.15	34.59	27.77	32.2	0.056	1451.1
110.0	0.69	0.68	34.69	27.82	27.4	0.059	1453.8
120.0	1.13	1.12	34.74	27.83	26.4	0.062	1456.0
130.0	1.62	1.61	34.82	27.86	24.2	0.064	1458.5
140.0	1.87	1.86	34.85	27.86	23.6	0.067	1459.8
150.0	1.98	1.98	34.87	27.87	23.2	0.069	1460.5
160.0	1.90	1.89	34.86	27.87	23.0	0.071	1460.3
170.0	1.86	1.85	34.87	27.88	22.2	0.074	1460.3
180.0	2.01	2.00	34.89	27.88	21.9	0.076	1461.1
190.0	2.02	2.00	34.90	27.89	21.6	0.078	1461.3
200.0	2.05	2.03	34.90	27.89	21.7	0.080	1461.6
210.0	2.02	2.00	34.90	27.89	21.4	0.082	1461.7
220.0	2.03	2.02	34.91	27.90	21.0	0.085	1461.9
230.0	2.14	2.13	34.93	27.90	20.6	0.087	1462.6
240.0	2.14	2.13	34.93	27.91	20.2	0.089	1462.8
250.0	2.09	2.08	34.93	27.91	20.1	0.091	1462.7
260.0	2.08	2.06	34.94	27.91	19.6	0.093	1462.8
270.0	2.06	2.04	34.93	27.91	19.5	0.095	1462.9
280.0	2.04	2.02	34.93	27.91	19.6	0.097	1463.0
290.0	2.03	2.01	34.93	27.91	19.6	0.099	1463.1
300.0	2.01	1.99	34.93	27.92	19.5	0.101	1463.2
310.0	1.98	1.96	34.93	27.92	19.3	0.103	1463.2
320.0	1.95	1.93	34.93	27.92	19.4	0.105	1463.2
330.0	2.01	1.99	34.94	27.92	18.9	0.107	1463.7
340.0	1.98	1.96	34.94	27.93	18.8	0.109	1463.7
350.0	1.87	1.85	34.93	27.93	18.6	0.110	1463.4
360.0	1.83	1.81	34.93	27.93	18.5	0.112	1463.4
370.0	1.78	1.76	34.93	27.93	18.3	0.114	1463.3
380.0	1.75	1.72	34.93	27.93	18.0	0.116	1463.3
390.0	1.74	1.72	34.93	27.94	17.8	0.118	1463.5
400.0	1.72	1.69	34.93	27.94	17.4	0.120	1463.5
410.0	1.70	1.68	34.93	27.94	17.4	0.121	1463.6
420.0	1.66	1.63	34.93	27.94	17.4	0.123	1463.6
430.0	1.65	1.63	34.93	27.94	17.2	0.125	1463.8
440.0	1.63	1.61	34.93	27.95	17.0	0.127	1463.9
450.0	1.62	1.59	34.93	27.94	17.1	0.128	1463.9
460.0	1.58	1.55	34.93	27.95	17.1	0.130	1463.9
470.0	1.55	1.53	34.92	27.95	17.0	0.132	1464.0
480.0	1.52	1.49	34.93	27.95	16.7	0.134	1464.0
490.0	1.45	1.42	34.92	27.95	16.5	0.135	1463.8
500.0	1.34	1.31	34.91	27.95	16.4	0.137	1463.5
530.0	1.05	1.02	34.89	27.95	15.7	0.142	1462.7
560.0	0.87	0.84	34.89	27.97	14.5	0.146	1462.4
590.0	0.68	0.65	34.89	27.98	12.8	0.151	1462.0
620.0	0.39	0.36	34.90	28.00	10.3	0.154	1461.2
650.0	0.11	0.08	34.90	28.02	8.0	0.157	1460.5
680.0	-0.05	-0.08	34.90	28.03	7.2	0.159	1460.3
710.0	-0.14	-0.17	34.90	28.04	6.2	0.161	1460.3
740.0	-0.22	-0.25	34.90	28.04	5.8	0.163	1460.5
790.0	-0.50	-0.53	34.91	28.06	3.5	0.165	1460.1
840.0	-0.74	-0.78	34.91	28.07	1.5	0.167	1459.8
882.6	-0.86	-0.89	34.91	28.07	0.8	0.167	1459.9



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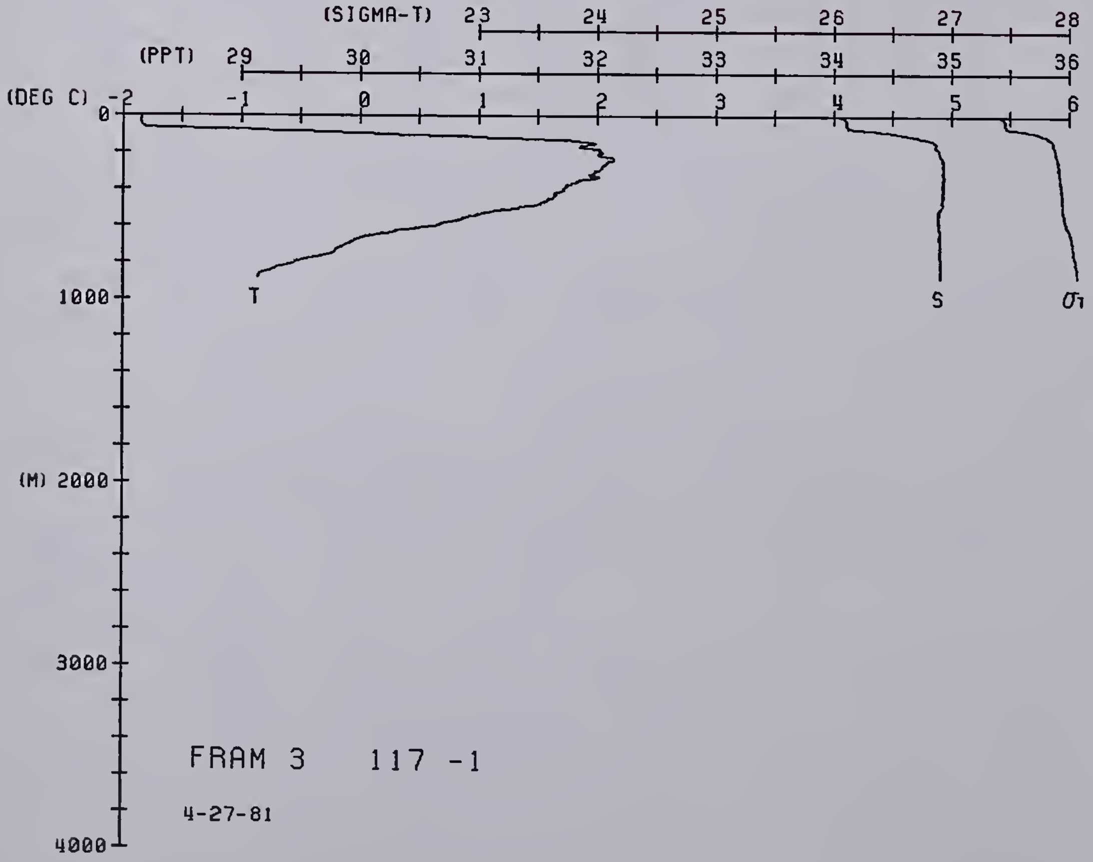
4-27-81



FRAM 3 117 -1

4-27-81

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                                       FRAM 3  STATION 118(1) CTD  27/APR/1981 1735 GMT  CODE = 5
                                       LAT = 81.9368N LNG =   5.5428E LTER =    30. LGER =    30.
                                       AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND            DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.83   -1.83   34.08   27.44    63.4   0.000  1439.5            710.0   -0.10   -0.13   34.88   28.01     8.4   0.162  1460.5
  4.0   -1.83   -1.83   34.08   27.44    63.4   0.003  1439.6            740.0   -0.21   -0.24   34.88   28.02     7.8   0.164  1460.5
  5.0   -1.84   -1.84   34.09   27.44    62.9   0.003  1439.6            790.0   -0.48   -0.51   34.88   28.04     5.5   0.168  1460.1
 10.0   -1.84   -1.84   34.09   27.44    62.7   0.006  1439.6            840.0   -0.72   -0.75   34.89   28.05     3.2   0.170  1459.8
 15.0   -1.84   -1.84   34.09   27.44    62.8   0.010  1439.7            877.6   -0.86   -0.89   34.90   28.07     1.4   0.171  1459.8
 20.0   -1.84   -1.84   34.09   27.44    62.6   0.013  1439.8
 25.0   -1.85   -1.85   34.11   27.46    61.4   0.016  1439.9
 30.0   -1.85   -1.85   34.11   27.46    61.2   0.019  1439.9
 35.0   -1.85   -1.85   34.11   27.46    60.8   0.022  1440.0
 40.0   -1.85   -1.85   34.12   27.46    60.6   0.025  1440.1
 45.0   -1.84   -1.84   34.11   27.46    61.2   0.028  1440.2
 50.0   -1.84   -1.84   34.12   27.47    60.3   0.031  1440.3
 55.0   -1.82   -1.82   34.13   27.47    59.7   0.034  1440.5
 60.0   -1.79   -1.79   34.14   27.48    59.1   0.037  1440.8
 65.0   -1.63   -1.63   34.19   27.52    55.0   0.040  1441.7
 70.0   -1.09   -1.09   34.33   27.62    46.1   0.043  1444.5
 75.0   -0.80   -0.81   34.39   27.65    42.9   0.045  1446.0
 80.0   -0.65   -0.65   34.44   27.68    40.0   0.047  1446.8
 85.0   -0.47   -0.47   34.46   27.70    38.6   0.049  1447.8
 90.0   -0.30   -0.30   34.50   27.72    36.6   0.051  1448.7
 95.0   -0.09   -0.10   34.54   27.74    34.6   0.053  1449.8
100.0    0.08    0.08   34.58   27.77    32.3   0.054  1450.8
110.0    0.52    0.52   34.66   27.80    28.7   0.058  1453.0
120.0    0.97    0.96   34.72   27.82    27.2   0.060  1455.3
130.0    1.22    1.21   34.76   27.84    25.8   0.063  1456.6
140.0    1.66    1.66   34.83   27.86    23.8   0.066  1458.9
150.0    1.91    1.90   34.86   27.87    23.1   0.068  1460.2
160.0    1.91    1.90   34.87   27.87    22.9   0.070  1460.3
170.0    1.87    1.86   34.87   27.88    22.6   0.073  1460.3
180.0    1.92    1.91   34.89   27.89    21.6   0.075  1460.7
190.0    2.03    2.01   34.90   27.89    21.7   0.077  1461.4
200.0    2.02    2.00   34.90   27.89    21.6   0.079  1461.5
210.0    2.02    2.01   34.90   27.89    21.3   0.081  1461.7
220.0    2.01    2.00   34.91   27.90    21.0   0.083  1461.8
230.0    2.06    2.05   34.92   27.90    20.6   0.086  1462.2
240.0    2.13    2.12   34.93   27.90    20.4   0.088  1462.7
250.0    2.14    2.13   34.93   27.91    20.4   0.090  1462.9
260.0    2.11    2.10   34.93   27.91    20.3   0.092  1463.0
270.0    2.08    2.07   34.93   27.91    19.8   0.094  1463.0
280.0    2.06    2.04   34.94   27.92    19.4   0.096  1463.1
290.0    2.05    2.03   34.93   27.91    19.7   0.098  1463.2
300.0    2.03    2.01   34.93   27.92    19.5   0.100  1463.3
310.0    2.02    2.00   34.93   27.92    19.5   0.102  1463.4
320.0    1.99    1.97   34.94   27.92    19.1   0.104  1463.4
330.0    1.95    1.93   34.93   27.92    19.4   0.106  1463.4
340.0    2.01    2.00   34.94   27.93    18.8   0.108  1463.9
350.0    1.98    1.96   34.94   27.93    18.6   0.109  1463.9
360.0    1.87    1.85   34.93   27.93    18.7   0.111  1463.6
370.0    1.81    1.79   34.93   27.93    18.3   0.113  1463.4
380.0    1.77    1.75   34.93   27.93    18.1   0.115  1463.4
390.0    1.72    1.70   34.93   27.94    17.5   0.117  1463.4
400.0    1.71    1.69   34.94   27.94    17.1   0.119  1463.5
410.0    1.69    1.67   34.94   27.94    17.1   0.120  1463.6
420.0    1.65    1.63   34.93   27.95    16.9   0.122  1463.6
430.0    1.65    1.63   34.93   27.95    17.0   0.124  1463.8
440.0    1.61    1.59   34.93   27.95    16.9   0.126  1463.8
450.0    1.58    1.55   34.93   27.95    16.6   0.127  1463.8
460.0    1.54    1.51   34.93   27.95    16.8   0.129  1463.7
470.0    1.49    1.46   34.93   27.95    16.2   0.131  1463.7
480.0    1.41    1.39   34.92   27.95    16.3   0.132  1463.5
490.0    1.36    1.34   34.92   27.95    16.3   0.134  1463.5
500.0    1.28    1.26   34.90   27.95    16.7   0.136  1463.3
530.0    0.99    0.97   34.89   27.96    15.0   0.140  1462.4
560.0    0.86    0.83   34.89   27.97    14.2   0.145  1462.3
590.0    0.68    0.65   34.89   27.98    13.2   0.149  1462.0
620.0    0.41    0.38   34.88   27.99    11.7   0.153  1461.3
650.0    0.20    0.18   34.88   28.00    10.6   0.156  1460.9
680.0    0.01   -0.02   34.88   28.01     9.0   0.159  1460.5
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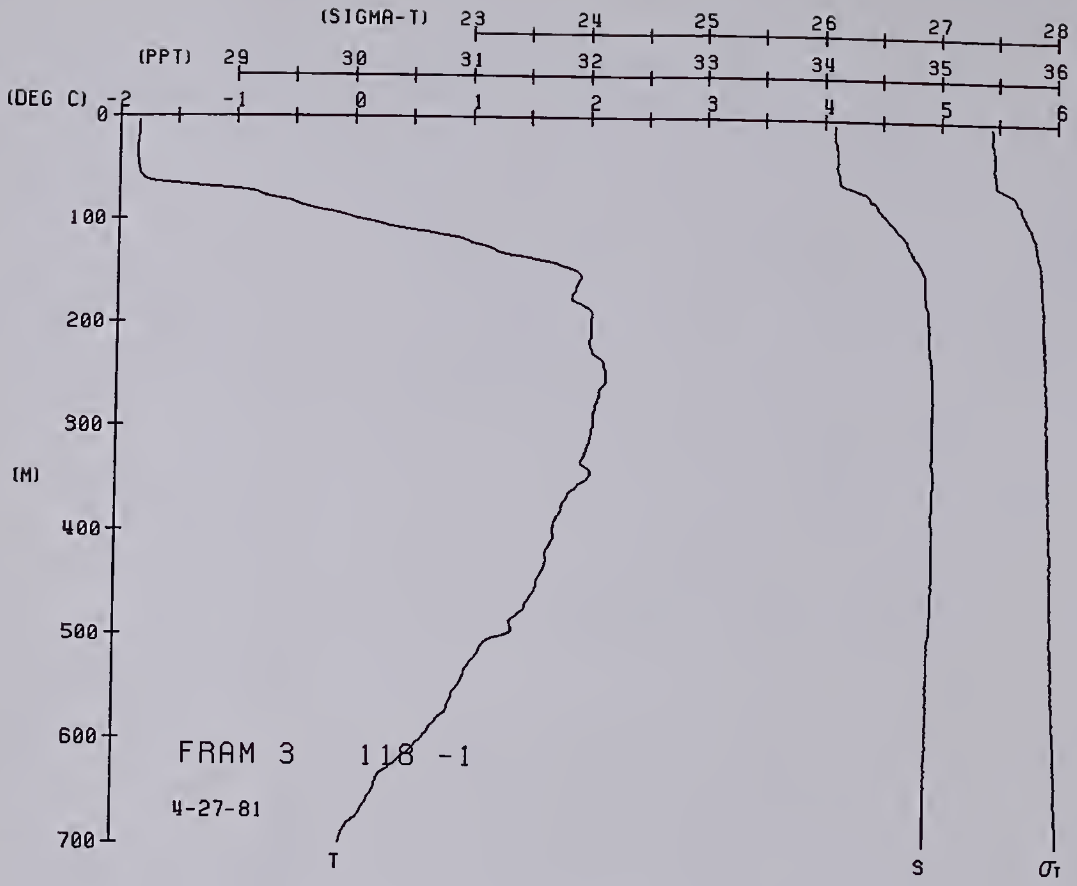

FRAM 3 118 -1

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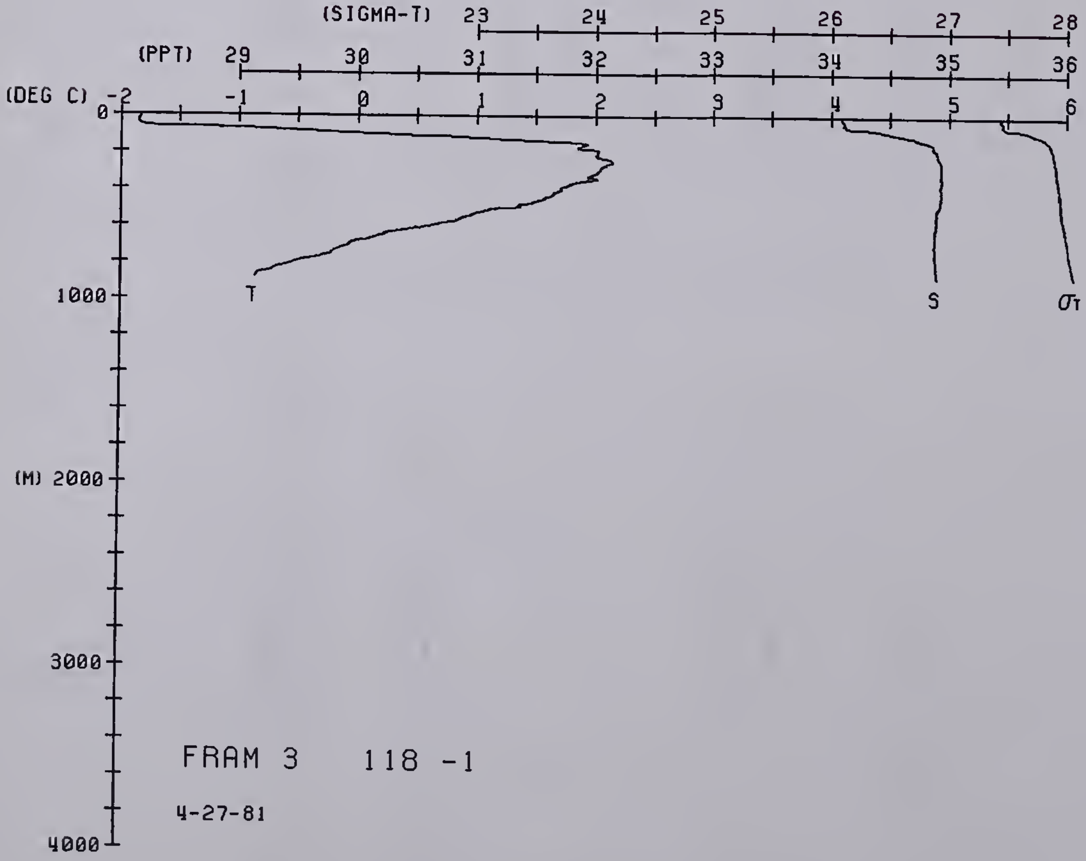

FRAM 3 118 -1

4-27-81

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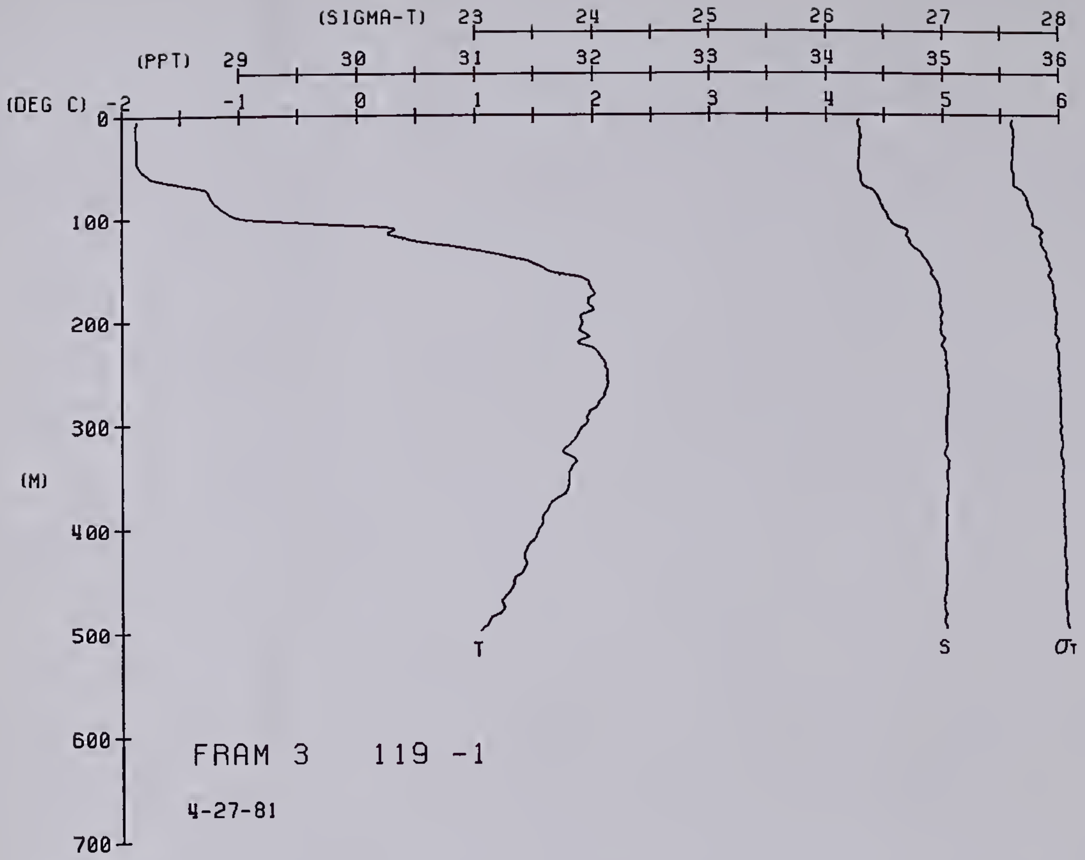
FRAM 3  STATION 119(1) CTD  27/APR/1981 1736 GMT  CODE = 5
LAT = 81.6717N LNG =   3.5700E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.87   -1.87   34.28   27.60    48.0   0.000  1439.6
   4.0   -1.87   -1.87   34.28   27.60    48.0   0.002  1439.6
   5.0   -1.87   -1.87   34.28   27.60    48.2   0.002  1439.7
  10.0   -1.88   -1.88   34.28   27.60    48.0   0.005  1439.7
  15.0   -1.88   -1.88   34.29   27.61    47.2   0.007  1439.8
  20.0   -1.88   -1.88   34.30   27.61    46.6   0.010  1439.9
  25.0   -1.88   -1.88   34.29   27.61    47.1   0.012  1440.0
  30.0   -1.88   -1.88   34.29   27.61    47.2   0.014  1440.1
  35.0   -1.87   -1.87   34.28   27.60    47.7   0.017  1440.2
  40.0   -1.88   -1.88   34.28   27.60    47.5   0.019  1440.2
  45.0   -1.87   -1.87   34.27   27.59    48.4   0.022  1440.3
  50.0   -1.85   -1.85   34.27   27.59    48.5   0.024  1440.5
  55.0   -1.81   -1.81   34.29   27.60    47.4   0.026  1440.8
  60.0   -1.75   -1.75   34.30   27.61    46.8   0.029  1441.2
  65.0   -1.60   -1.60   34.30   27.61    46.9   0.031  1442.0
  70.0   -1.35   -1.35   34.33   27.62    45.3   0.034  1443.3
  75.0   -1.26   -1.26   34.41   27.69    39.4   0.036  1443.9
  80.0   -1.24   -1.24   34.45   27.71    36.8   0.038  1444.1
  85.0   -1.21   -1.21   34.46   27.72    35.9   0.039  1444.4
  90.0   -1.15   -1.15   34.48   27.74    34.2   0.041  1444.8
  95.0   -1.09   -1.10   34.51   27.76    32.5   0.043  1445.1
 100.0   -0.98   -0.98   34.53   27.77    31.7   0.045  1445.8
 110.0    0.31    0.31   34.65   27.80    28.7   0.048  1452.1
 120.0    0.42    0.41   34.70   27.84    25.6   0.050  1452.8
 130.0    0.96    0.96   34.76   27.86    24.0   0.053  1455.5
 140.0    1.39    1.39   34.84   27.89    21.1   0.055  1457.7
 150.0    1.61    1.60   34.89   27.92    18.6   0.057  1458.9
 160.0    1.96    1.95   34.93   27.92    18.7   0.059  1460.6
 170.0    1.99    1.99   34.95   27.94    17.0   0.061  1461.0
 180.0    1.96    1.95   34.96   27.95    16.1   0.063  1461.0
 190.0    1.99    1.98   34.97   27.95    15.6   0.064  1461.3
 200.0    1.91    1.90   34.97   27.96    15.3   0.066  1461.1
 210.0    1.89    1.88   34.97   27.95    15.6   0.067  1461.2
 220.0    1.88    1.86   34.99   27.97    13.8   0.069  1461.3
 230.0    2.04    2.03   35.00   27.97    14.4   0.070  1462.2
 240.0    2.10    2.09   35.01   27.97    14.2   0.072  1462.7
 250.0    2.11    2.10   35.01   27.97    13.9   0.073  1462.9
 260.0    2.12    2.11   35.02   27.98    13.8   0.074  1463.1
 270.0    2.09    2.07   35.02   27.98    13.1   0.076  1463.2
 280.0    2.04    2.02   35.02   27.98    13.2   0.077  1463.1
 290.0    1.95    1.94   35.01   27.98    13.2   0.078  1462.9
 300.0    1.93    1.91   35.01   27.98    13.3   0.080  1462.9
 310.0    1.86    1.84   35.00   27.98    13.2   0.081  1462.8
 320.0    1.78    1.77   35.01   28.00    11.9   0.082  1462.6
 330.0    1.80    1.78   34.99   27.98    13.5   0.084  1462.8
 340.0    1.82    1.80   35.02   28.00    11.7   0.085  1463.1
 350.0    1.78    1.77   35.00   27.99    12.5   0.086  1463.1
 360.0    1.78    1.76   35.01   28.00    12.1   0.087  1463.3
 370.0    1.71    1.69   35.01   28.00    11.6   0.089  1463.1
 380.0    1.61    1.59   34.99   28.00    11.8   0.090  1462.8
 390.0    1.56    1.54   35.00   28.00    11.2   0.091  1462.8
 400.0    1.53    1.51   35.00   28.00    11.2   0.092  1462.8
 410.0    1.49    1.47   35.00   28.01    10.7   0.093  1462.8
 420.0    1.42    1.40   34.99   28.01    11.0   0.094  1462.7
 430.0    1.42    1.39   34.99   28.01    10.8   0.095  1462.8
 440.0    1.39    1.37   35.00   28.02    10.2   0.097  1462.9
 450.0    1.31    1.29   34.99   28.01    10.4   0.098  1462.7
 460.0    1.28    1.25   34.99   28.02    10.1   0.099  1462.7
 470.0    1.22    1.19   34.97   28.01    10.6   0.100  1462.5
 480.0    1.21    1.18   34.98   28.01    10.2   0.101  1462.7
 490.0    1.10    1.08   34.97   28.02     9.9   0.102  1462.4
 498.0    1.02    1.00   34.99   28.03     8.2   0.102  1462.2
```



FRAM 3 119 -1

4-27-81

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FRAM 3  STATION 120(1) CTD  27/APR/1981 2013 GMT  CODE = 5
LAT = 81.9327N LNG =   5.5318E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.80   -1.80   33.94   27.32    74.7   0.000  1439.4
   4.0  -1.80   -1.81   33.94   27.32    74.6   0.003  1439.5
   5.0  -1.82   -1.82   33.97   27.34    72.5   0.004  1439.5
  10.0  -1.85   -1.85   34.07   27.42    64.5   0.007  1439.6
  15.0  -1.85   -1.85   34.09   27.44    62.8   0.010  1439.7
  20.0  -1.84   -1.84   34.10   27.45    62.2   0.014  1439.8
  25.0  -1.84   -1.84   34.09   27.44    62.5   0.017  1439.9
  30.0  -1.85   -1.85   34.11   27.46    60.8   0.020  1439.9
  35.0  -1.84   -1.84   34.10   27.45    61.9   0.023  1440.0
  40.0  -1.84   -1.84   34.07   27.43    63.9   0.026  1440.1
  45.0  -1.83   -1.83   34.11   27.46    61.2   0.029  1440.3
  50.0  -1.82   -1.82   34.11   27.46    61.3   0.032  1440.4
  55.0  -1.81   -1.81   34.11   27.46    61.1   0.035  1440.5
  60.0  -1.80   -1.80   34.13   27.47    59.7   0.039  1440.7
  65.0  -1.72   -1.72   34.16   27.49    57.6   0.042  1441.2
  70.0  -1.48   -1.48   34.22   27.54    53.3   0.044  1442.5
  75.0  -1.19   -1.19   34.30   27.59    48.2   0.047  1444.1
  80.0  -0.86   -0.86   34.38   27.65    43.3   0.049  1445.8
  85.0  -0.71   -0.71   34.41   27.66    41.9   0.051  1446.6
  90.0  -0.48   -0.48   34.45   27.69    39.3   0.053  1447.8
  95.0  -0.24   -0.24   34.51   27.73    35.8   0.055  1449.1
 100.0   0.01    0.00   34.55   27.74    34.1   0.057  1450.4
 110.0   0.57    0.57   34.67   27.81    28.2   0.060  1453.3
 120.0   1.15    1.15   34.75   27.83    26.2   0.063  1456.2
 130.0   1.39    1.38   34.79   27.85    24.9   0.066  1457.4
 140.0   1.70    1.70   34.83   27.86    23.8   0.068  1459.0
 150.0   1.88    1.87   34.86   27.87    23.4   0.070  1460.0
 160.0   1.94    1.93   34.88   27.88    22.2   0.073  1460.5
 170.0   2.00    1.99   34.89   27.88    22.0   0.075  1460.9
 180.0   2.06    2.05   34.90   27.89    21.6   0.077  1461.4
 190.0   2.07    2.06   34.90   27.89    21.6   0.079  1461.6
 200.0   2.02    2.00   34.90   27.89    21.1   0.081  1461.5
 210.0   2.02    2.00   34.91   27.90    21.0   0.084  1461.7
 220.0   2.05    2.04   34.91   27.90    20.8   0.086  1462.0
 230.0   2.11    2.10   34.92   27.90    20.5   0.088  1462.4
 240.0   2.13    2.11   34.93   27.90    20.5   0.090  1462.7
 250.0   2.12    2.11   34.93   27.91    20.1   0.092  1462.8
 260.0   2.11    2.09   34.93   27.91    20.1   0.094  1462.9
 270.0   2.08    2.06   34.94   27.91    19.6   0.096  1463.0
 280.0   2.05    2.03   34.93   27.91    19.7   0.098  1463.0
 290.0   2.03    2.01   34.94   27.92    19.2   0.100  1463.1
 300.0   2.00    1.98   34.94   27.92    19.1   0.102  1463.1
 310.0   2.03    2.02   34.94   27.92    19.0   0.104  1463.5
 320.0   2.04    2.02   34.94   27.92    18.9   0.106  1463.7
 330.0   2.02    2.00   34.94   27.93    18.8   0.108  1463.7
 340.0   1.97    1.95   34.94   27.93    18.5   0.110  1463.7
 350.0   1.86    1.84   34.93   27.93    18.6   0.111  1463.4
 360.0   1.79    1.77   34.93   27.94    17.8   0.113  1463.2
 370.0   1.80    1.78   34.93   27.94    17.9   0.115  1463.4
 380.0   1.75    1.73   34.93   27.94    17.7   0.117  1463.4
 390.0   1.71    1.69   34.93   27.94    17.7   0.119  1463.4
 400.0   1.72    1.69   34.93   27.94    17.5   0.120  1463.5
 410.0   1.72    1.70   34.94   27.94    17.4   0.122  1463.7
 420.0   1.68    1.66   34.93   27.94    17.2   0.124  1463.7
 430.0   1.64    1.62   34.94   27.95    16.8   0.126  1463.7
 440.0   1.59    1.57   34.93   27.95    16.7   0.127  1463.6
 450.0   1.57    1.55   34.93   27.95    16.7   0.129  1463.7
 460.0   1.52    1.50   34.93   27.95    16.2   0.131  1463.7
 470.0   1.49    1.46   34.93   27.95    16.3   0.132  1463.7
 480.0   1.43    1.40   34.93   27.96    15.9   0.134  1463.6
 490.0   1.33    1.30   34.91   27.95    16.1   0.136  1463.3
 500.0   1.12    1.10   34.90   27.96    15.5   0.137  1462.5
 530.0   0.90    0.87   34.89   27.97    14.4   0.142  1462.0
 560.0   0.77    0.74   34.89   27.98    13.4   0.146  1461.9
 590.0   0.55    0.53   34.89   27.98    12.3   0.150  1461.5
 620.0   0.36    0.34   34.88   27.99    11.4   0.154  1461.1
 650.0   0.15    0.13   34.88   28.00    10.2   0.157  1460.6
 680.0  -0.01   -0.04   34.88   28.01     9.3   0.160  1460.4

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0  -0.12   -0.14   34.88   28.01     8.4   0.162  1460.4
 740.0  -0.24   -0.27   34.88   28.02     7.7   0.165  1460.3
 790.0  -0.56   -0.59   34.88   28.03     5.5   0.168  1459.7
 840.0  -0.74   -0.77   34.87   28.04     4.4   0.171  1459.7
 869.8  -0.86   -0.89   34.87   28.05     3.6   0.172  1459.7
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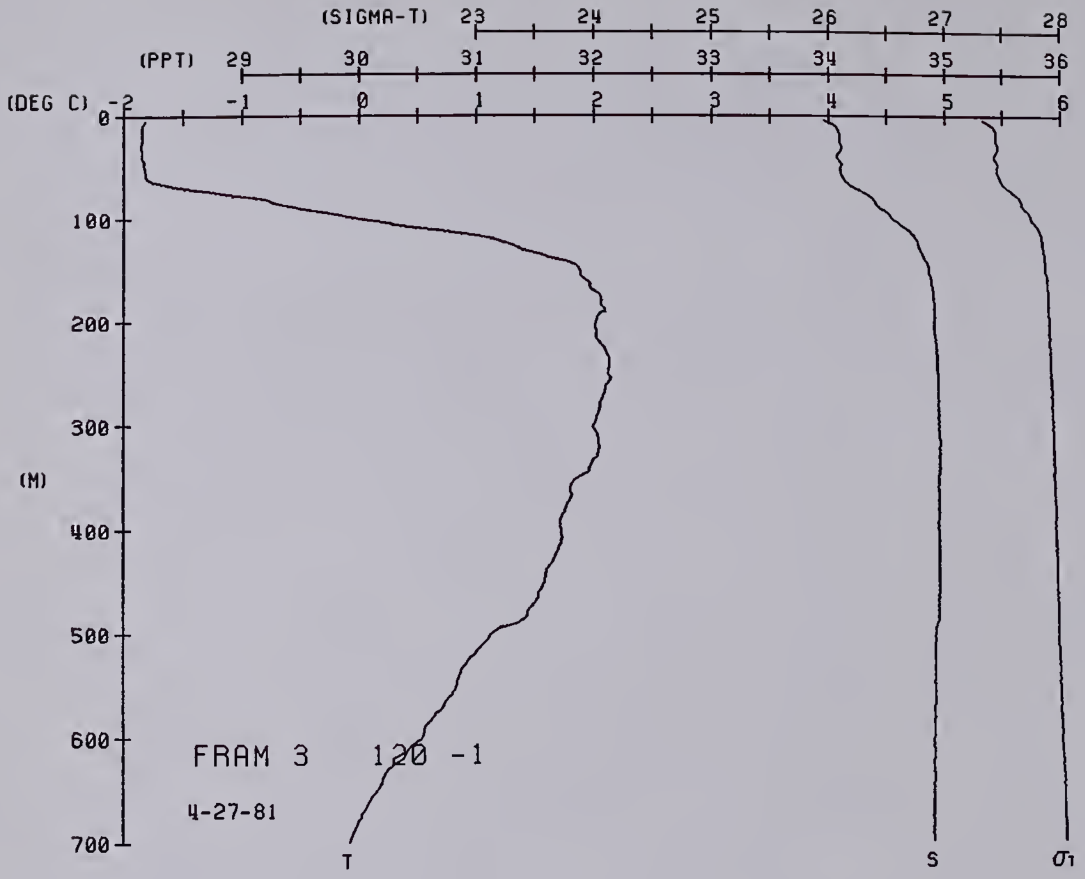
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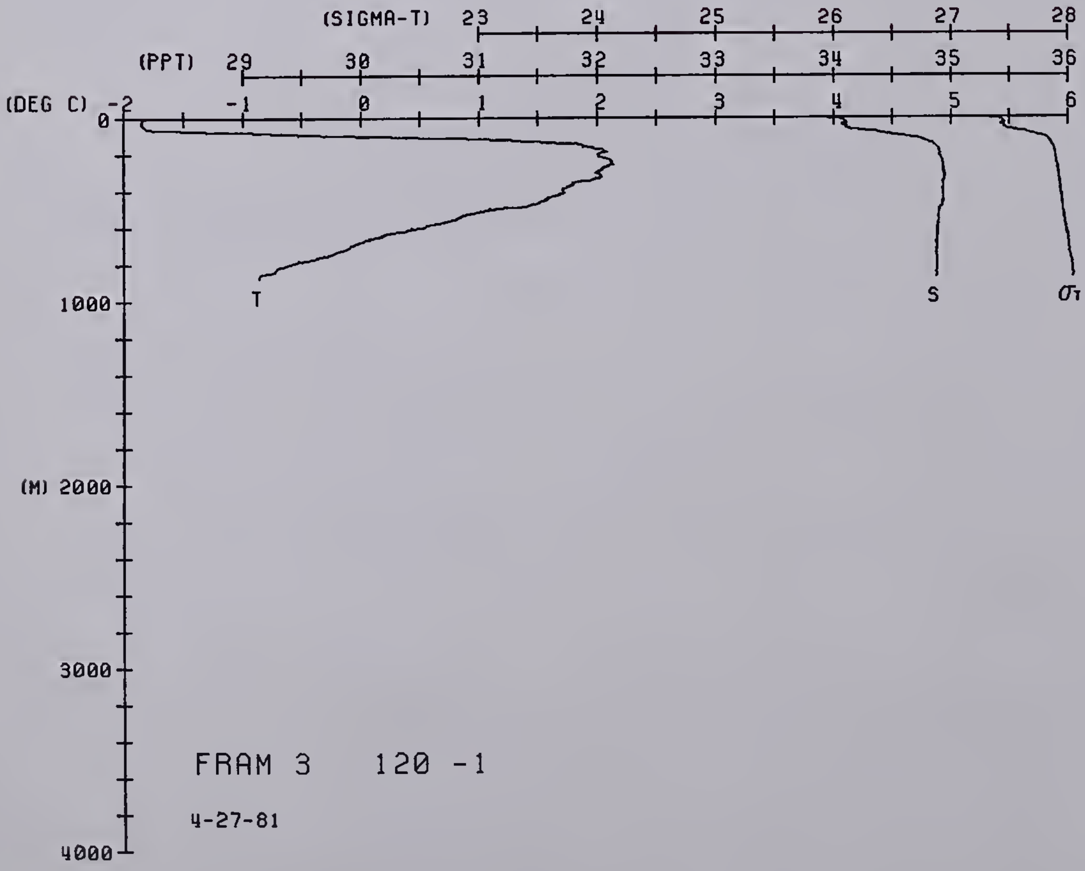
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 120 -1
4-27-81
T
S
σT

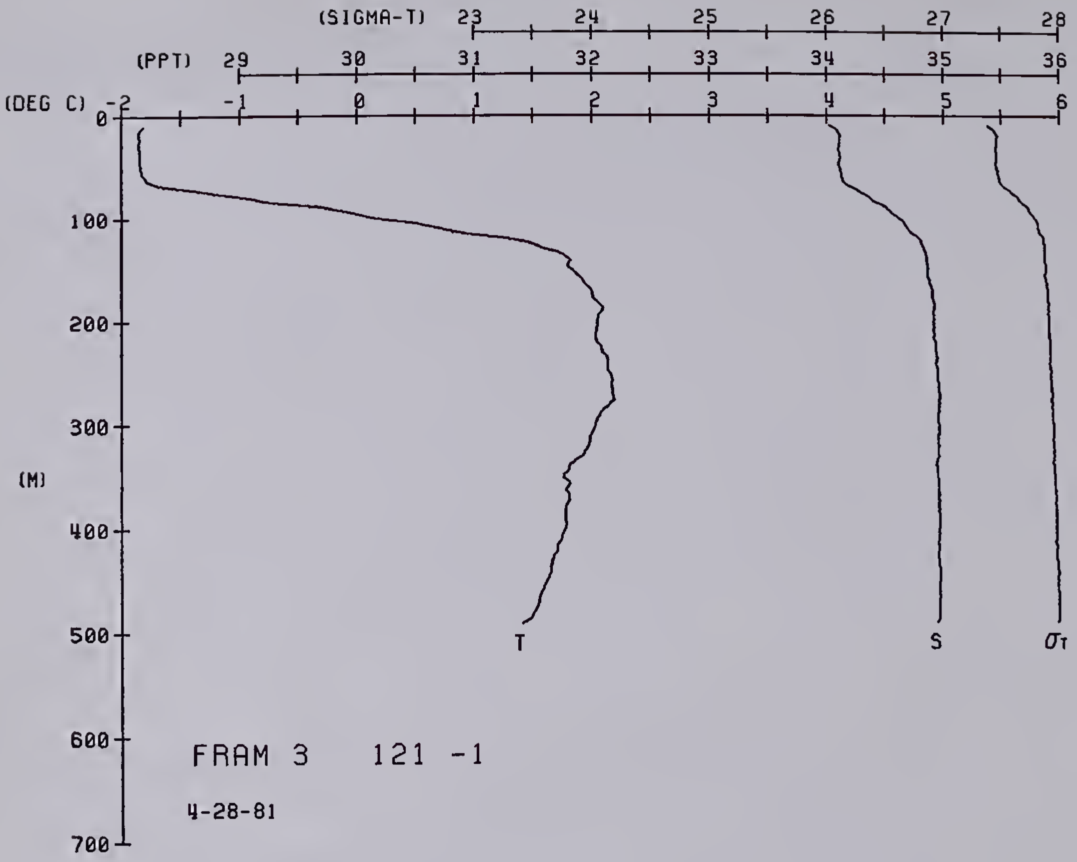

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 120 -1
4-27-81

FRAM 3 STATION 121(1) CTD 28/APR/1981 922 GMT CODE = 5
LAT = 81.9305N LNG = 5.5187E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.81	-1.81	34.02	27.39	68.1	0.000	1439.5
5.0	-1.81	-1.81	34.02	27.39	68.1	0.003	1439.6
9.9	-1.81	-1.81	34.02	27.39	68.0	0.007	1439.7
10.0	-1.81	-1.81	34.02	27.39	67.9	0.007	1439.7
15.0	-1.85	-1.85	34.10	27.45	61.9	0.010	1439.7
20.0	-1.85	-1.85	34.12	27.47	60.6	0.013	1439.8
25.0	-1.85	-1.85	34.11	27.46	61.2	0.016	1439.9
30.0	-1.85	-1.85	34.11	27.46	60.9	0.019	1439.9
35.0	-1.85	-1.85	34.11	27.46	61.1	0.023	1440.0
40.0	-1.85	-1.85	34.12	27.46	60.5	0.026	1440.1
45.0	-1.84	-1.84	34.11	27.45	61.4	0.029	1440.2
50.0	-1.84	-1.84	34.11	27.46	60.9	0.032	1440.3
55.0	-1.83	-1.83	34.13	27.47	59.7	0.035	1440.5
60.0	-1.80	-1.80	34.13	27.48	59.3	0.038	1440.7
65.0	-1.76	-1.76	34.15	27.49	58.0	0.041	1441.0
70.0	-1.52	-1.53	34.21	27.53	53.8	0.044	1442.3
75.0	-1.22	-1.22	34.30	27.59	48.5	0.046	1443.9
80.0	-0.93	-0.93	34.37	27.64	43.8	0.049	1445.5
85.0	-0.64	-0.64	34.43	27.68	40.2	0.051	1447.0
90.0	-0.24	-0.24	34.51	27.73	36.0	0.053	1449.0
95.0	-0.03	-0.03	34.56	27.75	33.6	0.054	1450.1
100.0	0.19	0.18	34.62	27.79	30.0	0.056	1451.3
110.0	0.72	0.72	34.69	27.81	27.8	0.059	1454.0
120.0	1.32	1.32	34.79	27.86	24.0	0.061	1457.0
130.0	1.63	1.62	34.83	27.86	23.4	0.064	1458.5
140.0	1.82	1.81	34.85	27.86	23.5	0.066	1459.6
150.0	1.84	1.83	34.86	27.87	23.1	0.069	1459.8
160.0	1.92	1.92	34.87	27.87	22.9	0.071	1460.4
170.0	2.00	1.99	34.89	27.89	21.6	0.073	1460.9
180.0	2.04	2.03	34.90	27.89	21.4	0.075	1461.3
190.0	2.07	2.06	34.91	27.89	21.4	0.078	1461.6
200.0	2.05	2.03	34.91	27.89	21.3	0.080	1461.6
210.0	2.03	2.02	34.91	27.89	21.2	0.082	1461.8
220.0	2.04	2.03	34.92	27.90	20.5	0.084	1462.0
230.0	2.09	2.08	34.92	27.90	20.4	0.086	1462.4
240.0	2.13	2.12	34.92	27.90	21.0	0.088	1462.7
250.0	2.15	2.13	34.93	27.90	20.5	0.090	1463.0
260.0	2.16	2.15	34.94	27.91	20.1	0.092	1463.2
270.0	2.17	2.15	34.94	27.91	19.8	0.094	1463.4
280.0	2.14	2.12	34.94	27.91	19.7	0.096	1463.4
290.0	2.06	2.04	34.94	27.92	19.6	0.098	1463.2
300.0	2.02	2.00	34.94	27.92	18.9	0.100	1463.2
310.0	1.98	1.96	34.94	27.92	19.0	0.102	1463.2
320.0	1.96	1.94	34.94	27.93	18.6	0.104	1463.3
330.0	1.90	1.88	34.94	27.93	18.3	0.106	1463.2
340.0	1.79	1.77	34.92	27.93	18.5	0.108	1462.9
350.0	1.75	1.73	34.93	27.93	18.0	0.110	1462.9
360.0	1.77	1.76	34.93	27.94	17.8	0.111	1463.1
370.0	1.79	1.77	34.94	27.94	17.7	0.113	1463.4
380.0	1.76	1.74	34.94	27.94	17.5	0.115	1463.4
390.0	1.76	1.74	34.94	27.94	17.1	0.117	1463.6
400.0	1.76	1.74	34.94	27.94	17.5	0.118	1463.8
410.0	1.73	1.70	34.93	27.94	17.8	0.120	1463.8
420.0	1.69	1.67	34.94	27.95	16.8	0.122	1463.8
430.0	1.65	1.63	34.94	27.95	16.8	0.124	1463.8
440.0	1.64	1.62	34.94	27.95	16.5	0.125	1463.9
450.0	1.60	1.58	34.94	27.95	16.4	0.127	1463.9
460.0	1.56	1.54	34.94	27.95	16.2	0.129	1463.9
470.0	1.53	1.51	34.94	27.96	16.0	0.130	1463.9
480.0	1.50	1.47	34.93	27.96	16.0	0.132	1463.9
490.0	1.40	1.37	34.92	27.95	16.3	0.134	1463.6
490.1	1.39	1.37	34.92	27.95	16.3	0.134	1463.6

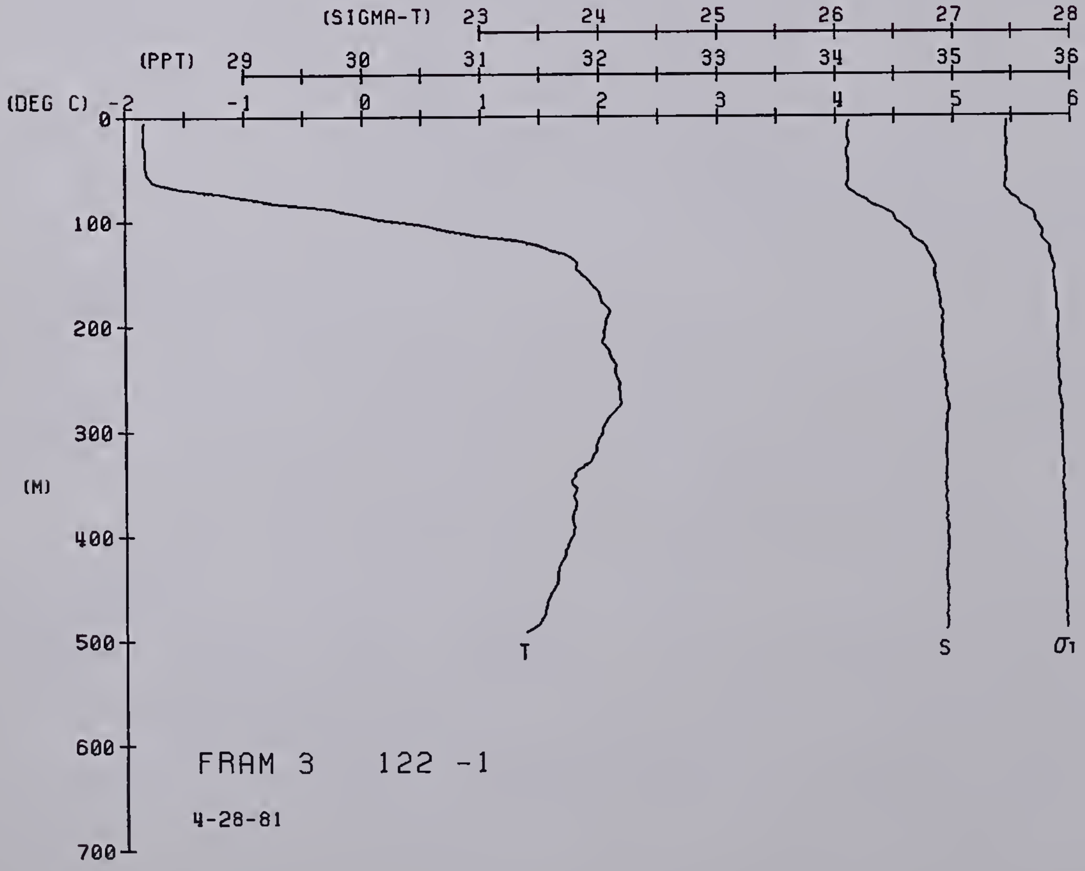
FRAM 3 STATION 122(1) CTD 28/APR/1981 927 GMT CODE = 5
LAT = 81.9305N LNG = 5.5187E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.12	27.46	60.8	0.000	1439.5
4.0	-1.84	-1.84	34.12	27.46	60.8	0.002	1439.6
5.0	-1.84	-1.84	34.12	27.46	60.9	0.003	1439.6
10.0	-1.84	-1.84	34.11	27.46	61.3	0.006	1439.6
15.0	-1.84	-1.84	34.11	27.46	61.6	0.009	1439.7
20.0	-1.84	-1.84	34.10	27.45	61.7	0.012	1439.8
25.0	-1.84	-1.84	34.12	27.46	60.7	0.015	1439.9
30.0	-1.83	-1.83	34.11	27.46	61.4	0.019	1440.0
35.0	-1.83	-1.83	34.10	27.45	62.0	0.022	1440.1
40.0	-1.83	-1.83	34.11	27.46	61.3	0.025	1440.2
45.0	-1.83	-1.83	34.11	27.46	61.0	0.028	1440.3
50.0	-1.82	-1.82	34.11	27.46	60.9	0.031	1440.4
55.0	-1.81	-1.81	34.11	27.46	61.0	0.034	1440.6
60.0	-1.78	-1.78	34.11	27.46	61.2	0.037	1440.8
65.0	-1.69	-1.70	34.10	27.45	62.0	0.040	1441.2
70.0	-1.43	-1.44	34.12	27.45	61.5	0.043	1442.6
75.0	-1.12	-1.12	34.18	27.49	58.0	0.046	1444.2
80.0	-0.86	-0.86	34.26	27.55	52.4	0.049	1445.6
85.0	-0.50	-0.50	34.32	27.58	49.7	0.052	1447.4
90.0	-0.17	-0.17	34.43	27.66	42.5	0.054	1449.2
95.0	0.02	0.02	34.50	27.70	38.5	0.056	1450.3
100.0	0.29	0.29	34.51	27.70	38.7	0.058	1451.6
110.0	0.77	0.77	34.63	27.76	32.6	0.062	1454.1
120.0	1.37	1.36	34.70	27.78	31.7	0.065	1457.0
130.0	1.67	1.66	34.78	27.82	27.3	0.068	1458.7
140.0	1.82	1.81	34.83	27.85	24.6	0.071	1459.6
150.0	1.85	1.84	34.84	27.86	24.2	0.073	1459.9
160.0	1.94	1.93	34.86	27.86	23.8	0.075	1460.4
170.0	2.01	2.00	34.88	27.88	22.7	0.078	1461.0
180.0	2.05	2.04	34.89	27.88	22.8	0.080	1461.3
190.0	2.07	2.06	34.91	27.89	21.1	0.082	1461.6
200.0	2.05	2.04	34.90	27.89	21.4	0.084	1461.7
210.0	2.04	2.03	34.90	27.89	21.6	0.087	1461.8
220.0	2.06	2.05	34.90	27.88	22.2	0.089	1462.0
230.0	2.10	2.09	34.91	27.89	21.8	0.091	1462.4
240.0	2.14	2.12	34.93	27.90	20.5	0.093	1462.7
250.0	2.15	2.14	34.92	27.90	21.1	0.095	1463.0
260.0	2.16	2.15	34.94	27.91	20.1	0.097	1463.2
270.0	2.18	2.16	34.94	27.91	20.3	0.099	1463.4
280.0	2.14	2.12	34.95	27.92	18.8	0.101	1463.4
290.0	2.06	2.05	34.94	27.92	19.3	0.103	1463.3
300.0	2.03	2.01	34.93	27.91	19.7	0.105	1463.3
310.0	1.98	1.96	34.94	27.93	18.6	0.107	1463.2
320.0	1.97	1.95	34.94	27.92	18.9	0.109	1463.3
330.0	1.91	1.89	34.94	27.93	18.2	0.111	1463.3
340.0	1.80	1.78	34.93	27.93	18.0	0.113	1462.9
350.0	1.77	1.75	34.92	27.93	18.3	0.115	1462.9
360.0	1.79	1.77	34.94	27.94	17.4	0.117	1463.2
370.0	1.80	1.78	34.94	27.94	17.7	0.118	1463.4
380.0	1.77	1.75	34.94	27.94	17.6	0.120	1463.5
390.0	1.78	1.76	34.94	27.94	17.1	0.122	1463.7
400.0	1.77	1.75	34.94	27.94	17.3	0.124	1463.8
410.0	1.73	1.71	34.95	27.95	16.4	0.125	1463.8
420.0	1.70	1.68	34.94	27.95	16.7	0.127	1463.8
430.0	1.65	1.63	34.94	27.95	16.2	0.129	1463.8
440.0	1.65	1.62	34.93	27.95	17.1	0.130	1463.9
450.0	1.61	1.59	34.94	27.96	15.9	0.132	1463.9
460.0	1.57	1.54	34.94	27.96	16.0	0.134	1463.9
470.0	1.54	1.52	34.94	27.96	15.5	0.135	1464.0
480.0	1.51	1.48	34.94	27.96	15.5	0.137	1464.0
490.0	1.41	1.38	34.94	27.97	15.0	0.138	1463.7
491.1	1.38	1.36	34.93	27.97	15.0	0.138	1463.6



FRAM 3 121 -1

4-28-81



FRAM 3 122 -1

4-28-81

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FRAM 3  STATION 123(1) CTD  28/APR/1981 1005 GMT  CODE = 5
LAT = 81.9300N LNG =    5.5222E LTER =    30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -1.79   -1.79   33.97   27.34    72.6   0.000  1439.5
  4.0  -1.79   -1.79   33.97   27.34    72.6   0.003  1439.6
  5.0  -1.80   -1.80   33.99   27.36    70.8   0.004  1439.6
 10.0  -1.84   -1.84   34.09   27.44    62.9   0.007  1439.6
 15.0  -1.84   -1.84   34.10   27.45    62.3   0.010  1439.7
 20.0  -1.85   -1.85   34.11   27.46    61.4   0.013  1439.8
 25.0  -1.85   -1.85   34.11   27.46    60.9   0.016  1439.8
 30.0  -1.86   -1.86   34.12   27.47    60.2   0.020  1439.9
 35.0  -1.85   -1.85   34.11   27.46    61.1   0.023  1440.0
 40.0  -1.85   -1.85   34.11   27.46    61.0   0.026  1440.1
 45.0  -1.84   -1.84   34.12   27.47    60.0   0.029  1440.2
 50.0  -1.84   -1.84   34.12   27.46    60.6   0.032  1440.3
 55.0  -1.82   -1.82   34.12   27.46    60.5   0.035  1440.5
 60.0  -1.79   -1.79   34.13   27.47    59.5   0.038  1440.7
 65.0  -1.72   -1.72   34.16   27.49    57.8   0.041  1441.2
 70.0  -1.55   -1.55   34.20   27.53    54.4   0.044  1442.1
 75.0  -1.20   -1.20   34.31   27.60    47.8   0.046  1444.0
 80.0  -0.90   -0.90   34.38   27.64    43.6   0.049  1445.6
 85.0  -0.76   -0.76   34.40   27.66    41.9   0.051  1446.4
 90.0  -0.45   -0.45   34.47   27.70    37.9   0.053  1448.0
 95.0  -0.16   -0.16   34.52   27.72    36.2   0.055  1449.5
100.0  -0.03   -0.03   34.55   27.75    34.1   0.056  1450.2
110.0   0.58    0.57   34.67   27.81    28.1   0.059  1453.3
120.0   1.13    1.13   34.75   27.84    25.8   0.062  1456.1
130.0   1.36    1.36   34.78   27.84    25.3   0.065  1457.3
140.0   1.76    1.75   34.84   27.87    23.4   0.067  1459.3
150.0   1.82    1.81   34.85   27.87    23.5   0.070  1459.7
160.0   1.90    1.89   34.88   27.88    22.2   0.072  1460.3
170.0   1.99    1.98   34.88   27.88    22.2   0.074  1460.9
180.0   1.97    1.96   34.89   27.89    21.7   0.076  1460.9
190.0   2.03    2.02   34.90   27.89    21.5   0.079  1461.4
200.0   2.04    2.03   34.91   27.90    20.9   0.081  1461.6
210.0   2.08    2.07   34.92   27.90    20.7   0.083  1462.0
220.0   2.11    2.10   34.92   27.90    20.8   0.085  1462.3
230.0   2.14    2.13   34.92   27.90    21.1   0.087  1462.6
240.0   2.13    2.12   34.93   27.91    20.2   0.089  1462.7
250.0   2.15    2.14   34.93   27.91    20.2   0.091  1463.0
260.0   2.13    2.12   34.94   27.91    20.0   0.093  1463.1
270.0   2.13    2.12   34.93   27.91    20.3   0.095  1463.2
280.0   2.08    2.06   34.94   27.91    19.6   0.097  1463.1
290.0   2.05    2.03   34.94   27.92    19.6   0.099  1463.2
300.0   2.03    2.01   34.93   27.91    19.7   0.101  1463.3
310.0   2.00    1.98   34.94   27.92    19.2   0.103  1463.3
320.0   1.95    1.93   34.94   27.92    18.9   0.105  1463.3
330.0   1.92    1.90   34.93   27.92    18.8   0.107  1463.3
340.0   1.85    1.83   34.93   27.93    18.5   0.109  1463.1
350.0   1.74    1.72   34.92   27.93    18.3   0.111  1462.8
360.0   1.75    1.73   34.93   27.94    17.8   0.113  1463.0
370.0   1.78    1.76   34.94   27.94    17.5   0.114  1463.4
380.0   1.82    1.79   34.94   27.94    17.5   0.116  1463.7
390.0   1.78    1.76   34.94   27.94    17.5   0.118  1463.7
400.0   1.75    1.73   34.94   27.94    17.4   0.120  1463.7
410.0   1.73    1.71   34.94   27.94    17.2   0.121  1463.8
420.0   1.68    1.66   34.93   27.94    17.6   0.123  1463.7
430.0   1.65    1.63   34.94   27.95    16.5   0.125  1463.8
440.0   1.63    1.60   34.94   27.95    16.5   0.127  1463.8
450.0   1.62    1.59   34.93   27.95    16.8   0.128  1463.9
460.0   1.57    1.55   34.93   27.95    16.4   0.130  1463.9
470.0   1.55    1.52   34.93   27.95    16.3   0.132  1464.0
480.0   1.50    1.48   34.93   27.96    16.1   0.133  1463.9
490.0   1.44    1.41   34.93   27.95    16.1   0.135  1463.8
500.0   1.33    1.30   34.92   27.96    16.0   0.137  1463.5
530.0   1.03    1.00   34.90   27.96    15.0   0.141  1462.6
560.0   0.94    0.91   34.90   27.97    14.4   0.146  1462.7
590.0   0.74    0.71   34.89   27.97    13.8   0.150  1462.3
620.0   0.52    0.49   34.89   27.99    11.8   0.154  1461.8
650.0   0.28    0.25   34.89   28.00    10.1   0.157  1461.2
680.0   0.08    0.05   34.89   28.01     8.9   0.160  1460.8

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

710.0  -0.11   -0.14   34.89   28.02     7.4   0.163  1460.4
740.0  -0.23   -0.27   34.89   28.03     6.3   0.165  1460.4
790.0  -0.48   -0.51   34.91   28.06     3.3   0.167  1460.1
840.0  -0.68   -0.72   34.93   28.09     0.2   0.168  1460.1
866.8  -0.85   -0.88   34.93   28.09    -0.7   0.168  1459.8
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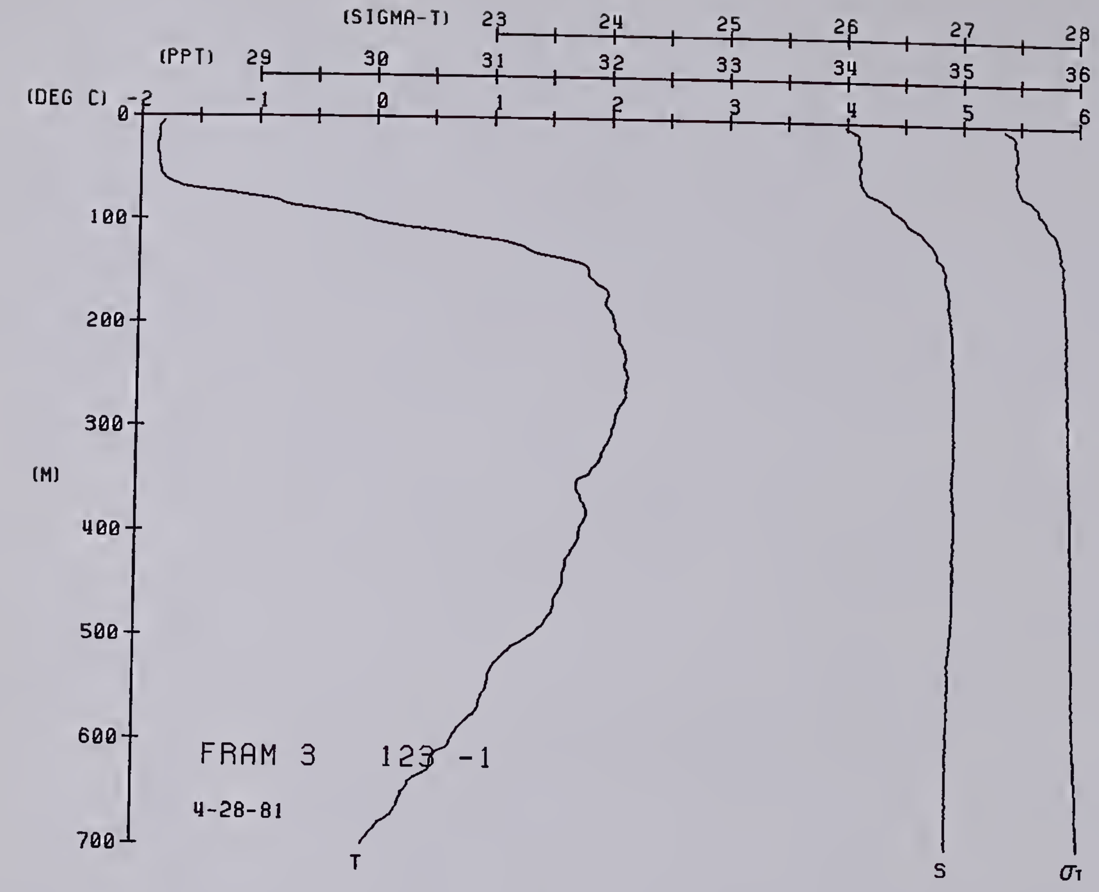
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(PPT) 29 30 31 32 33 34 35 36
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200
300
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700
FRAM 3 123 -1
4-28-81
T
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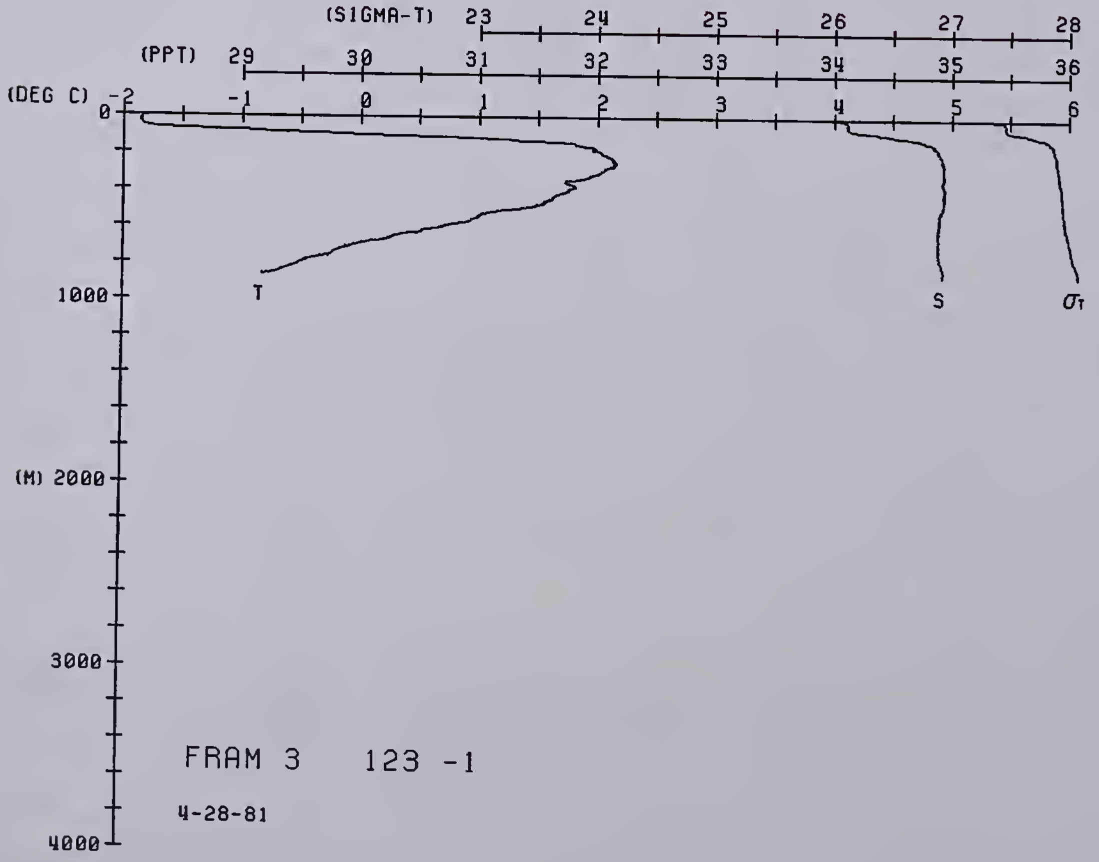
σT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(PPT) 29 30 31 32 33 34 35 36
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(M) 2000
3000
4000
T
S
σT
FRAM 3 123 -1
4-28-81

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LAT = 81.9222N LNG =    5.5225E LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =    0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.79   -1.79   33.97   27.35    71.9   0.000  1439.5
  4.0   -1.79   -1.79   33.97   27.35    71.8   0.003  1439.6
  5.0   -1.80   -1.80   34.00   27.37    69.8   0.004  1439.6
 10.0   -1.82   -1.82   34.08   27.44    63.4   0.007  1439.7
 15.0   -1.84   -1.84   34.11   27.46    61.4   0.010  1439.7
 20.0   -1.85   -1.85   34.13   27.47    59.9   0.013  1439.8
 25.0   -1.85   -1.85   34.13   27.47    59.8   0.016  1439.9
 30.0   -1.85   -1.85   34.13   27.47    59.6   0.019  1440.0
 35.0   -1.85   -1.85   34.13   27.48    59.5   0.022  1440.1
 40.0   -1.85   -1.85   34.13   27.48    59.3   0.025  1440.2
 45.0   -1.84   -1.84   34.13   27.48    59.3   0.028  1440.2
 50.0   -1.84   -1.84   34.13   27.48    59.1   0.031  1440.3
 55.0   -1.83   -1.83   34.13   27.48    59.1   0.034  1440.5
 60.0   -1.80   -1.80   34.15   27.49    58.2   0.037  1440.7
 65.0   -1.76   -1.76   34.15   27.49    57.8   0.040  1441.0
 70.0   -1.63   -1.63   34.20   27.53    54.4   0.043  1441.8
 75.0   -1.02   -1.03   34.37   27.64    43.8   0.045  1444.9
 80.0   -0.52   -0.52   34.47   27.70    38.0   0.048  1447.5
 85.0   -0.39   -0.39   34.48   27.71    37.7   0.049  1448.2
 90.0   -0.19   -0.19   34.53   27.73    35.2   0.051  1449.3
 95.0   -0.04   -0.04   34.56   27.75    33.6   0.053  1450.1
100.0    0.12    0.12   34.59   27.77    32.2   0.055  1450.9
110.0    0.42    0.42   34.65   27.80    28.8   0.058  1452.6
120.0    0.97    0.97   34.75   27.85    24.6   0.060  1455.4
130.0    1.67    1.67   34.84   27.87    23.0   0.063  1458.8
140.0    1.88    1.87   34.87   27.87    22.7   0.065  1459.8
150.0    1.95    1.94   34.87   27.88    22.6   0.067  1460.3
160.0    1.97    1.96   34.88   27.88    22.0   0.070  1460.6
170.0    2.09    2.08   34.91   27.89    21.3   0.072  1461.4
180.0    2.15    2.14   34.91   27.89    21.5   0.074  1461.8
190.0    2.14    2.13   34.92   27.89    21.2   0.076  1461.9
200.0    2.14    2.13   34.92   27.89    21.2   0.078  1462.1
210.0    2.18    2.17   34.93   27.90    20.6   0.081  1462.5
220.0    2.19    2.18   34.94   27.90    20.3   0.083  1462.7
230.0    2.15    2.14   34.93   27.91    20.1   0.085  1462.7
240.0    2.13    2.12   34.93   27.91    20.0   0.087  1462.7
250.0    2.10    2.09   34.93   27.91    19.9   0.089  1462.8
260.0    2.08    2.07   34.94   27.91    19.6   0.091  1462.8
270.0    2.06    2.04   34.93   27.91    19.6   0.093  1462.9
280.0    2.02    2.00   34.93   27.91    19.7   0.095  1462.9
290.0    1.99    1.97   34.93   27.92    19.3   0.097  1462.9
300.0    1.95    1.93   34.93   27.92    18.9   0.099  1462.9
310.0    1.94    1.92   34.93   27.92    19.0   0.100  1463.0
320.0    1.91    1.89   34.93   27.93    18.7   0.102  1463.1
330.0    1.90    1.88   34.94   27.93    18.4   0.104  1463.2
340.0    1.88    1.86   34.93   27.93    18.5   0.106  1463.3
350.0    1.86    1.84   34.93   27.93    18.4   0.108  1463.4
360.0    1.84    1.82   34.94   27.93    18.1   0.110  1463.5
370.0    1.78    1.76   34.93   27.93    18.0   0.112  1463.3
380.0    1.83    1.80   34.94   27.94    17.7   0.113  1463.7
390.0    1.78    1.76   34.94   27.94    17.6   0.115  1463.7
400.0    1.77    1.75   34.94   27.94    17.4   0.117  1463.8
410.0    1.76    1.73   34.94   27.94    17.3   0.119  1463.9
420.0    1.73    1.71   34.94   27.94    17.1   0.121  1463.9
430.0    1.70    1.68   34.94   27.95    16.9   0.122  1464.0
440.0    1.67    1.65   34.94   27.95    16.9   0.124  1464.0
450.0    1.62    1.59   34.94   27.95    16.7   0.126  1463.9
460.0    1.54    1.52   34.93   27.95    16.8   0.127  1463.8
470.0    1.39    1.36   34.91   27.95    16.4   0.129  1463.2
480.0    1.31    1.29   34.91   27.95    16.4   0.131  1463.1
490.0    1.19    1.17   34.91   27.96    15.7   0.132  1462.7
500.0    1.14    1.12   34.90   27.96    15.6   0.134  1462.6
530.0    0.95    0.92   34.90   27.97    14.5   0.138  1462.2
560.0    0.84    0.81   34.90   27.97    13.7   0.143  1462.3
590.0    0.57    0.55   34.89   27.98    12.4   0.147  1461.6
620.0    0.48    0.45   34.89   27.99    12.0   0.150  1461.6
650.0    0.19    0.16   34.88   28.00    10.1   0.154  1460.8
680.0   -0.04   -0.07   34.88   28.01     8.6   0.157  1460.3

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

710.0   -0.21   -0.24   34.88   28.02     7.4   0.159  1460.0
740.0   -0.31   -0.34   34.88   28.03     6.9   0.161  1460.0
790.0   -0.58   -0.61   34.88   28.04     4.9   0.164  1459.6
840.0   -0.83   -0.86   34.89   28.06     2.8   0.166  1459.3
860.9   -0.83   -0.86   34.88   28.05     2.9   0.167  1459.7
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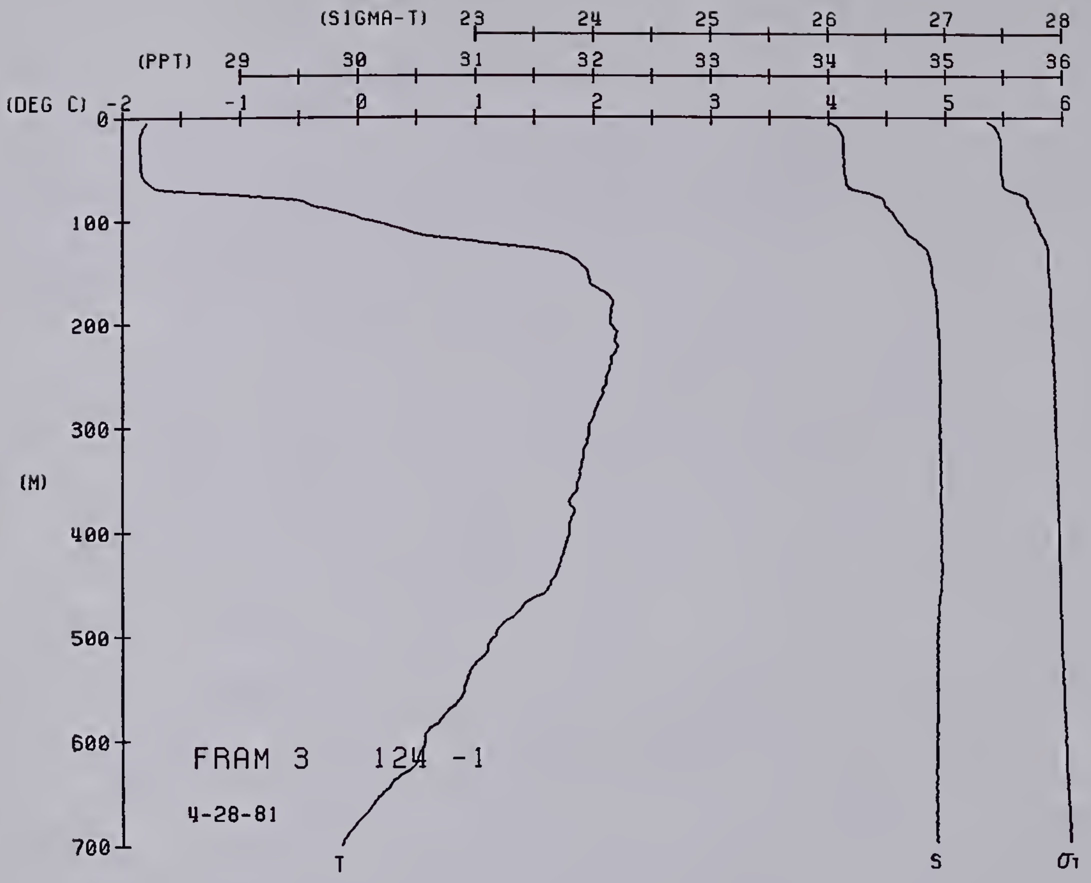
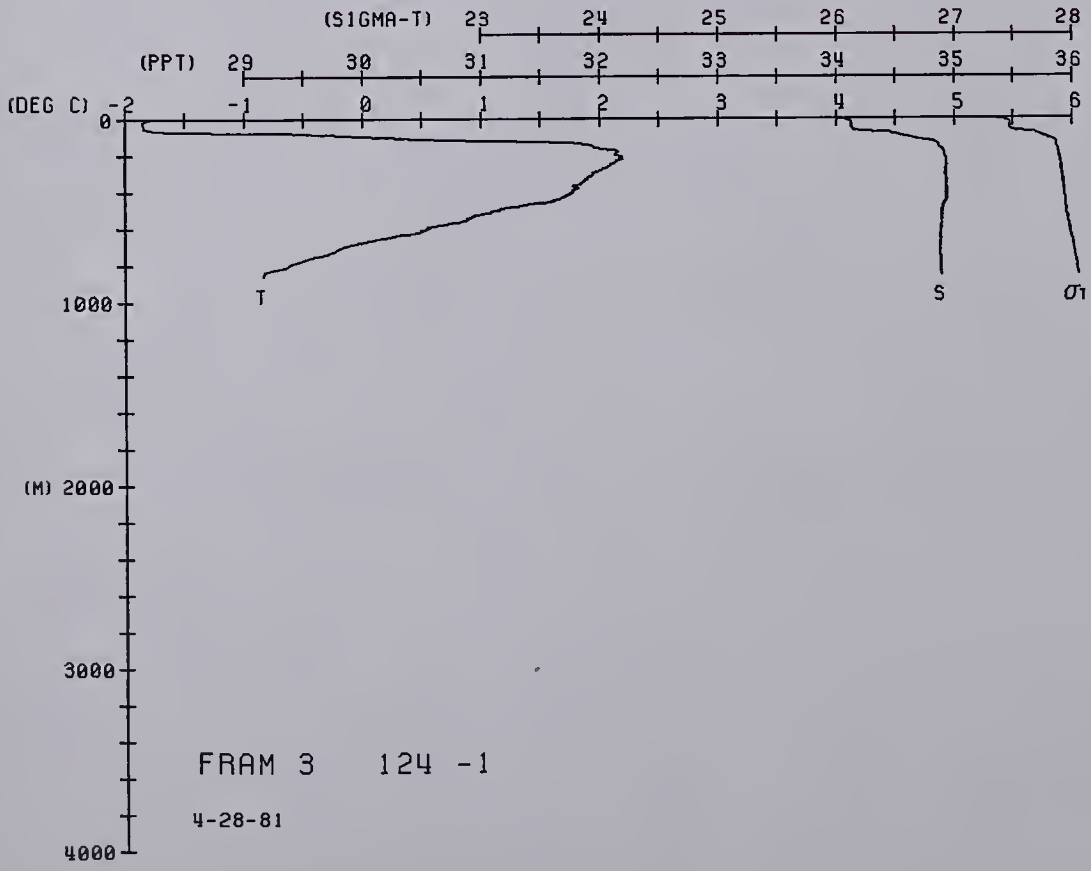


FRAM 3 124 -1

4-28-81

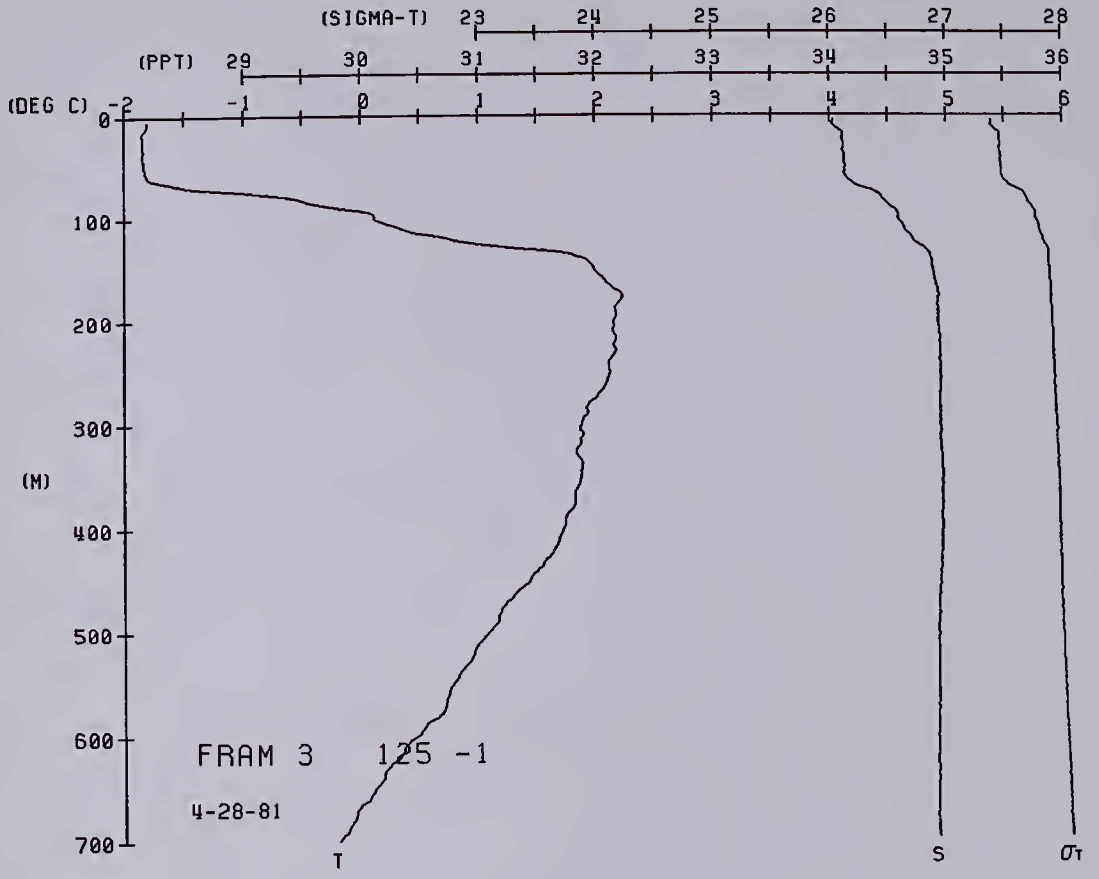


FRAM 3 124 -1

4-28-81

FRAM 3 STATION 125(1) CTD 28/APR/1981 2132 GMT CODE = 5
LAT = 81.9065N LNG = 5.4822E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	34.03	27.40	67.3	0.000	1439.5
4.0	-1.80	-1.81	34.03	27.40	67.3	0.003	1439.6
5.0	-1.80	-1.81	34.03	27.39	67.5	0.003	1439.6
10.0	-1.81	-1.81	34.03	27.39	67.4	0.007	1439.7
15.0	-1.84	-1.84	34.09	27.44	62.8	0.010	1439.7
20.0	-1.85	-1.85	34.12	27.46	60.7	0.013	1439.8
25.0	-1.85	-1.85	34.12	27.46	60.7	0.016	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.2	0.019	1440.0
35.0	-1.84	-1.84	34.11	27.46	60.8	0.022	1440.1
40.0	-1.84	-1.84	34.13	27.47	59.8	0.025	1440.2
45.0	-1.84	-1.84	34.13	27.47	59.7	0.028	1440.3
50.0	-1.83	-1.83	34.13	27.48	59.4	0.031	1440.4
55.0	-1.82	-1.82	34.13	27.48	59.2	0.034	1440.5
60.0	-1.80	-1.80	34.14	27.48	58.8	0.037	1440.7
65.0	-1.65	-1.65	34.18	27.51	55.9	0.040	1441.6
70.0	-1.42	-1.42	34.26	27.56	50.9	0.043	1442.8
75.0	-0.93	-0.94	34.38	27.65	42.9	0.045	1445.4
80.0	-0.58	-0.58	34.45	27.69	39.5	0.048	1447.2
85.0	-0.41	-0.42	34.48	27.71	37.7	0.049	1448.1
90.0	-0.16	-0.16	34.53	27.74	35.0	0.051	1449.4
95.0	0.10	0.09	34.58	27.76	32.6	0.053	1450.7
100.0	0.12	0.12	34.58	27.76	32.4	0.055	1450.9
110.0	0.34	0.34	34.64	27.80	29.4	0.058	1452.2
120.0	0.75	0.74	34.70	27.82	26.8	0.061	1454.3
130.0	1.39	1.39	34.81	27.87	23.1	0.063	1457.5
140.0	1.91	1.90	34.86	27.87	23.0	0.065	1460.0
150.0	1.99	1.99	34.88	27.88	22.6	0.068	1460.5
160.0	2.08	2.07	34.89	27.88	22.2	0.070	1461.1
170.0	2.17	2.16	34.92	27.89	21.3	0.072	1461.7
180.0	2.21	2.20	34.92	27.89	21.8	0.074	1462.1
190.0	2.17	2.15	34.92	27.89	21.1	0.077	1462.0
200.0	2.15	2.14	34.92	27.89	21.2	0.079	1462.1
210.0	2.15	2.14	34.92	27.90	20.9	0.081	1462.3
220.0	2.16	2.15	34.93	27.90	20.6	0.083	1462.5
230.0	2.17	2.15	34.94	27.91	20.2	0.085	1462.7
240.0	2.11	2.10	34.93	27.91	20.1	0.087	1462.6
250.0	2.12	2.11	34.93	27.91	20.2	0.089	1462.8
260.0	2.09	2.08	34.93	27.91	20.0	0.091	1462.9
270.0	2.03	2.01	34.93	27.91	19.6	0.093	1462.8
280.0	1.94	1.92	34.92	27.92	19.3	0.095	1462.5
290.0	1.92	1.91	34.93	27.92	18.9	0.097	1462.6
300.0	1.88	1.86	34.93	27.92	18.7	0.099	1462.6
310.0	1.89	1.88	34.93	27.93	18.6	0.101	1462.8
320.0	1.86	1.84	34.93	27.93	18.4	0.103	1462.8
330.0	1.84	1.83	34.94	27.94	17.7	0.105	1463.0
340.0	1.88	1.86	34.94	27.93	17.9	0.106	1463.3
350.0	1.87	1.85	34.95	27.94	17.5	0.108	1463.4
360.0	1.84	1.82	34.94	27.94	17.7	0.110	1463.5
370.0	1.82	1.80	34.94	27.94	17.4	0.112	1463.5
380.0	1.80	1.78	34.94	27.94	17.5	0.113	1463.6
390.0	1.74	1.72	34.94	27.94	17.4	0.115	1463.5
400.0	1.72	1.70	34.94	27.95	17.0	0.117	1463.6
410.0	1.68	1.66	34.94	27.95	16.9	0.119	1463.6
420.0	1.64	1.62	34.93	27.95	16.9	0.120	1463.5
430.0	1.57	1.55	34.93	27.95	16.8	0.122	1463.4
440.0	1.50	1.47	34.92	27.95	16.6	0.124	1463.2
450.0	1.43	1.40	34.92	27.95	16.3	0.125	1463.1
460.0	1.32	1.30	34.91	27.95	16.0	0.127	1462.8
470.0	1.24	1.22	34.90	27.95	16.2	0.129	1462.6
480.0	1.18	1.15	34.90	27.96	15.7	0.130	1462.4
490.0	1.15	1.13	34.90	27.96	15.5	0.132	1462.5
500.0	1.07	1.05	34.89	27.96	15.6	0.134	1462.3
530.0	0.89	0.87	34.90	27.97	14.0	0.138	1462.0
560.0	0.74	0.71	34.89	27.98	13.3	0.142	1461.8
590.0	0.53	0.50	34.89	27.99	12.2	0.146	1461.3
620.0	0.31	0.28	34.89	28.00	10.8	0.150	1460.9
650.0	0.10	0.07	34.88	28.00	9.7	0.153	1460.4
680.0	-0.08	-0.11	34.88	28.01	8.7	0.155	1460.1
710.0	-0.23	-0.26	34.88	28.02	7.4	0.158	1459.9
740.0	-0.38	-0.41	34.88	28.03	6.6	0.160	1459.7
790.0	-0.64	-0.67	34.88	28.04	4.6	0.163	1459.4
840.0	-0.82	-0.85	34.88	28.05	3.1	0.165	1459.4
844.1	-0.82	-0.85	34.89	28.05	3.0	0.165	1459.4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(DEG C) -2 -1 0 1 2 3 4 5 6
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400
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700
FRAM 3 125 -1
4-28-81
T
S
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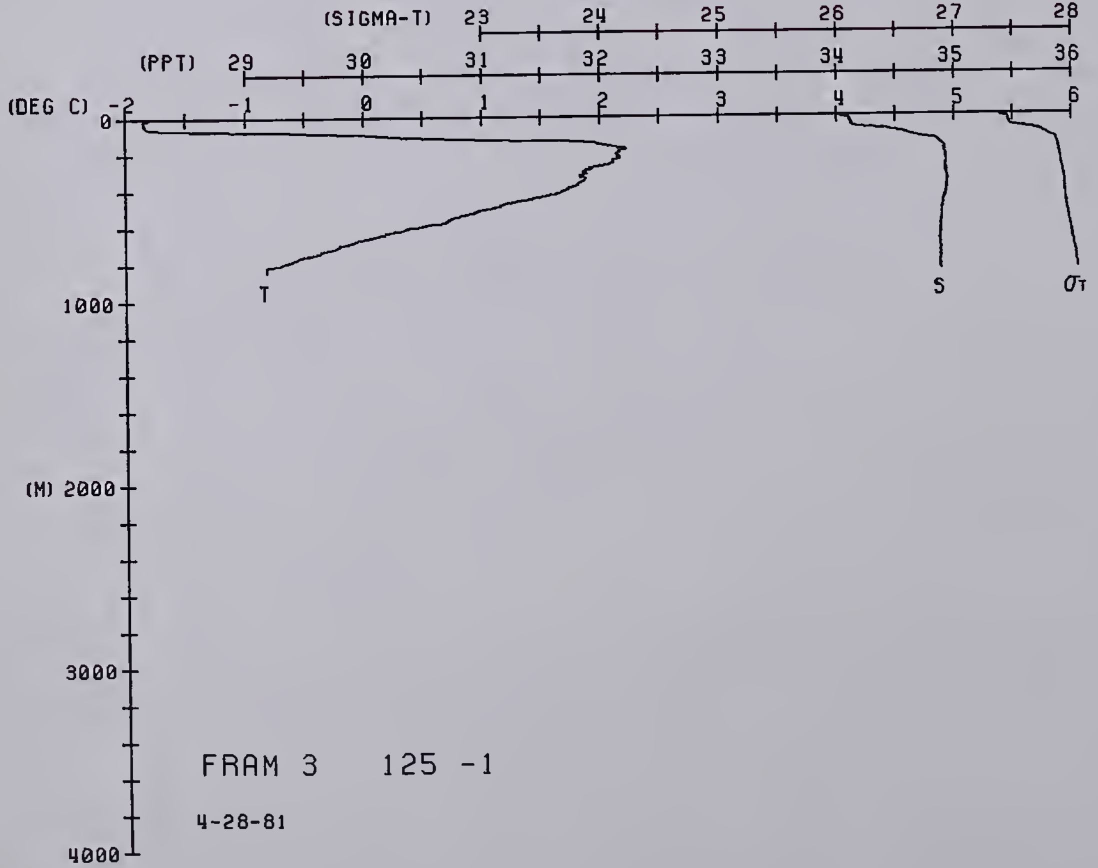
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 125 -1
4-28-81

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 FRAM 3  STATION 126(1) CTD  29/APR/1981  913 GMT  CODE = 5
LAT = 81.9033N LNG =   5.4648E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.84   -1.84   34.11   27.46    61.2   0.000  1439.5
    4.0   -1.84   -1.84   34.11   27.46    61.2   0.002  1439.6
    5.0   -1.84   -1.84   34.11   27.46    61.5   0.003  1439.6
   10.0   -1.82   -1.82   34.09   27.45    62.5   0.006  1439.7
   15.0   -1.84   -1.84   34.10   27.45    61.9   0.009  1439.7
   20.0   -1.85   -1.85   34.12   27.46    60.6   0.012  1439.8
   25.0   -1.85   -1.85   34.12   27.46    60.6   0.016  1439.9
   30.0   -1.85   -1.85   34.12   27.46    60.7   0.019  1440.0
   35.0   -1.85   -1.85   34.12   27.47    60.1   0.022  1440.1
   40.0   -1.84   -1.84   34.12   27.47    60.1   0.025  1440.2
   45.0   -1.84   -1.84   34.12   27.47    59.9   0.028  1440.3
   50.0   -1.84   -1.84   34.13   27.47    59.7   0.031  1440.4
   55.0   -1.82   -1.82   34.13   27.47    59.8   0.034  1440.5
   60.0   -1.80   -1.80   34.13   27.48    59.2   0.037  1440.7
   65.0   -1.67   -1.67   34.18   27.51    56.1   0.040  1441.5
   70.0   -1.39   -1.40   34.25   27.56    51.2   0.042  1443.0
   75.0   -0.99   -0.99   34.36   27.63    44.3   0.045  1445.1
   80.0   -0.72   -0.72   34.41   27.67    41.4   0.047  1446.5
   85.0   -0.50   -0.50   34.46   27.69    38.8   0.049  1447.7
   90.0   -0.30   -0.30   34.49   27.71    37.1   0.051  1448.7
   95.0   -0.14   -0.14   34.52   27.73    35.7   0.053  1449.6
  100.0    0.10    0.09   34.58   27.76    32.9   0.054  1450.8
  110.0    0.79    0.78   34.70   27.82    27.7   0.058  1454.3
  120.0    1.24    1.23   34.76   27.84    25.6   0.060  1456.5
  130.0    1.76    1.75   34.84   27.86    23.5   0.063  1459.1
  140.0    2.05    2.04   34.89   27.88    22.2   0.065  1460.6
  150.0    2.30    2.29   34.92   27.88    22.1   0.067  1462.0
  160.0    2.32    2.31   34.92   27.88    22.2   0.070  1462.2
  170.0    2.30    2.29   34.92   27.88    21.9   0.072  1462.3
  180.0    2.23    2.22   34.92   27.89    21.8   0.074  1462.1
  190.0    2.26    2.25   34.93   27.89    21.4   0.076  1462.4
  200.0    2.22    2.21   34.93   27.90    20.9   0.078  1462.5
  210.0    2.25    2.24   34.94   27.90    20.4   0.080  1462.8
  220.0    2.28    2.27   34.95   27.91    20.3   0.082  1463.1
  230.0    2.26    2.25   34.95   27.91    20.2   0.085  1463.1
  240.0    2.24    2.23   34.95   27.91    19.8   0.087  1463.2
  250.0    2.20    2.18   34.94   27.91    19.9   0.089  1463.2
  260.0    2.12    2.11   34.94   27.91    19.7   0.091  1463.0
  270.0    2.04    2.02   34.93   27.92    19.4   0.093  1462.8
  280.0    2.06    2.04   34.94   27.92    19.0   0.094  1463.1
  290.0    2.04    2.02   34.94   27.92    19.1   0.096  1463.1
  300.0    1.99    1.97   34.94   27.93    18.5   0.098  1463.1
  310.0    1.98    1.96   34.94   27.93    18.6   0.100  1463.2
  320.0    1.98    1.96   34.95   27.93    18.3   0.102  1463.4
  330.0    1.95    1.93   34.94   27.93    18.4   0.104  1463.4
  340.0    1.91    1.89   34.94   27.93    18.3   0.106  1463.4
  350.0    1.88    1.86   34.94   27.93    18.1   0.108  1463.4
  360.0    1.85    1.83   34.94   27.93    18.2   0.109  1463.5
  370.0    1.82    1.79   34.94   27.94    17.7   0.111  1463.5
  380.0    1.77    1.75   34.93   27.94    17.8   0.113  1463.5
  390.0    1.74    1.72   34.94   27.94    17.3   0.115  1463.5
  400.0    1.73    1.70   34.94   27.94    17.2   0.117  1463.6
  410.0    1.71    1.68   34.93   27.94    17.3   0.118  1463.7
  420.0    1.65    1.63   34.93   27.94    17.5   0.120  1463.6
  430.0    1.62    1.60   34.93   27.94    17.1   0.122  1463.6
  440.0    1.57    1.55   34.93   27.95    16.9   0.124  1463.6
  450.0    1.50    1.47   34.92   27.95    16.8   0.125  1463.4
  460.0    1.45    1.43   34.92   27.95    16.6   0.127  1463.3
  470.0    1.37    1.35   34.91   27.95    16.4   0.129  1463.2
  480.0    1.28    1.25   34.91   27.95    16.0   0.130  1462.9
  490.0    1.24    1.21   34.91   27.95    15.8   0.132  1462.9
  492.1    1.23    1.20   34.91   27.96    15.6   0.132  1462.9
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 FRAM 3  STATION 127(1) CTD  29/APR/1981  917 GMT  CODE = 5
LAT = 81.9033N LNG =   5.4648E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.83   -1.83   34.10   27.45    62.3   0.000  1439.5
    4.0   -1.83   -1.83   34.10   27.45    62.3   0.002  1439.6
    5.0   -1.83   -1.83   34.10   27.45    62.3   0.003  1439.6
   10.0   -1.84   -1.84   34.10   27.45    62.0   0.006  1439.6
   15.0   -1.84   -1.84   34.11   27.46    61.3   0.009  1439.7
   20.0   -1.84   -1.84   34.11   27.46    61.0   0.013  1439.8
   25.0   -1.83   -1.83   34.11   27.46    61.1   0.016  1439.9
   30.0   -1.83   -1.83   34.11   27.45    61.5   0.019  1440.0
   35.0   -1.83   -1.83   34.10   27.45    61.8   0.022  1440.1
   40.0   -1.83   -1.83   34.10   27.45    61.7   0.025  1440.2
   45.0   -1.83   -1.83   34.11   27.46    61.0   0.028  1440.3
   50.0   -1.82   -1.82   34.12   27.46    60.6   0.031  1440.4
   55.0   -1.80   -1.80   34.11   27.46    61.1   0.034  1440.6
   60.0   -1.74   -1.74   34.10   27.45    61.9   0.037  1440.9
   65.0   -1.54   -1.55   34.10   27.44    62.6   0.040  1441.9
   70.0   -1.22   -1.22   34.15   27.47    60.1   0.044  1443.6
   75.0   -0.84   -0.84   34.25   27.54    53.2   0.046  1445.6
   80.0   -0.63   -0.63   34.35   27.61    46.7   0.049  1446.8
   85.0   -0.40   -0.41   34.39   27.64    44.4   0.051  1448.0
   90.0   -0.23   -0.23   34.43   27.66    42.0   0.053  1449.0
   95.0   -0.05   -0.06   34.46   27.67    40.9   0.055  1449.9
  100.0    0.24    0.23   34.48   27.67    41.1   0.058  1451.3
  110.0    0.88    0.88   34.61   27.74    34.7   0.061  1454.6
  120.0    1.34    1.33   34.69   27.77    32.2   0.065  1456.9
  130.0    1.81    1.80   34.80   27.82    27.4   0.068  1459.3
  140.0    2.08    2.07   34.85   27.84    25.6   0.070  1460.7
  150.0    2.32    2.31   34.90   27.87    23.6   0.073  1462.0
  160.0    2.32    2.31   34.94   27.89    21.1   0.075  1462.2
  170.0    2.30    2.29   34.92   27.89    21.9   0.077  1462.3
  180.0    2.23    2.22   34.92   27.89    21.7   0.080  1462.1
  190.0    2.26    2.25   34.93   27.89    21.2   0.082  1462.4
  200.0    2.23    2.22   34.93   27.89    21.2   0.084  1462.5
  210.0    2.26    2.25   34.94   27.90    20.6   0.086  1462.8
  220.0    2.29    2.27   34.94   27.90    20.4   0.088  1463.1
  230.0    2.26    2.25   34.95   27.91    20.0   0.090  1463.1
  240.0    2.25    2.24   34.95   27.91    20.2   0.092  1463.3
  250.0    2.20    2.18   34.95   27.92    19.1   0.094  1463.2
  260.0    2.12    2.11   34.95   27.92    18.8   0.096  1463.0
  270.0    2.04    2.02   34.95   27.93    18.5   0.098  1462.8
  280.0    2.06    2.04   34.94   27.92    19.0   0.100  1463.1
  290.0    2.04    2.02   34.95   27.93    18.1   0.102  1463.2
  300.0    1.99    1.97   34.95   27.93    18.0   0.104  1463.1
  310.0    1.98    1.96   34.94   27.93    18.6   0.105  1463.2
  320.0    1.98    1.96   34.94   27.93    18.5   0.107  1463.4
  330.0    1.95    1.93   34.94   27.93    18.2   0.109  1463.4
  340.0    1.91    1.90   34.94   27.93    18.0   0.111  1463.4
  350.0    1.88    1.86   34.94   27.94    17.7   0.113  1463.5
  360.0    1.85    1.83   34.95   27.94    17.3   0.115  1463.5
  370.0    1.82    1.80   34.94   27.94    17.4   0.116  1463.5
  380.0    1.77    1.75   34.95   27.95    16.8   0.118  1463.5
  390.0    1.75    1.73   34.94   27.94    17.1   0.120  1463.5
  400.0    1.73    1.71   34.94   27.95    16.8   0.122  1463.6
  410.0    1.71    1.68   34.95   27.95    16.3   0.123  1463.7
  420.0    1.65    1.63   34.94   27.95    16.2   0.125  1463.6
  430.0    1.62    1.60   34.94   27.95    16.2   0.126  1463.7
  440.0    1.57    1.55   34.94   27.96    15.7   0.128  1463.6
  450.0    1.50    1.47   34.93   27.95    16.1   0.130  1463.4
  460.0    1.45    1.42   34.93   27.96    15.6   0.131  1463.4
  470.0    1.37    1.35   34.93   27.96    15.3   0.133  1463.2
  480.0    1.28    1.25   34.92   27.96    15.3   0.134  1462.9
  490.0    1.24    1.21   34.91   27.96    15.4   0.136  1462.9
  493.1    1.24    1.21   34.90   27.95    16.1   0.136  1462.9
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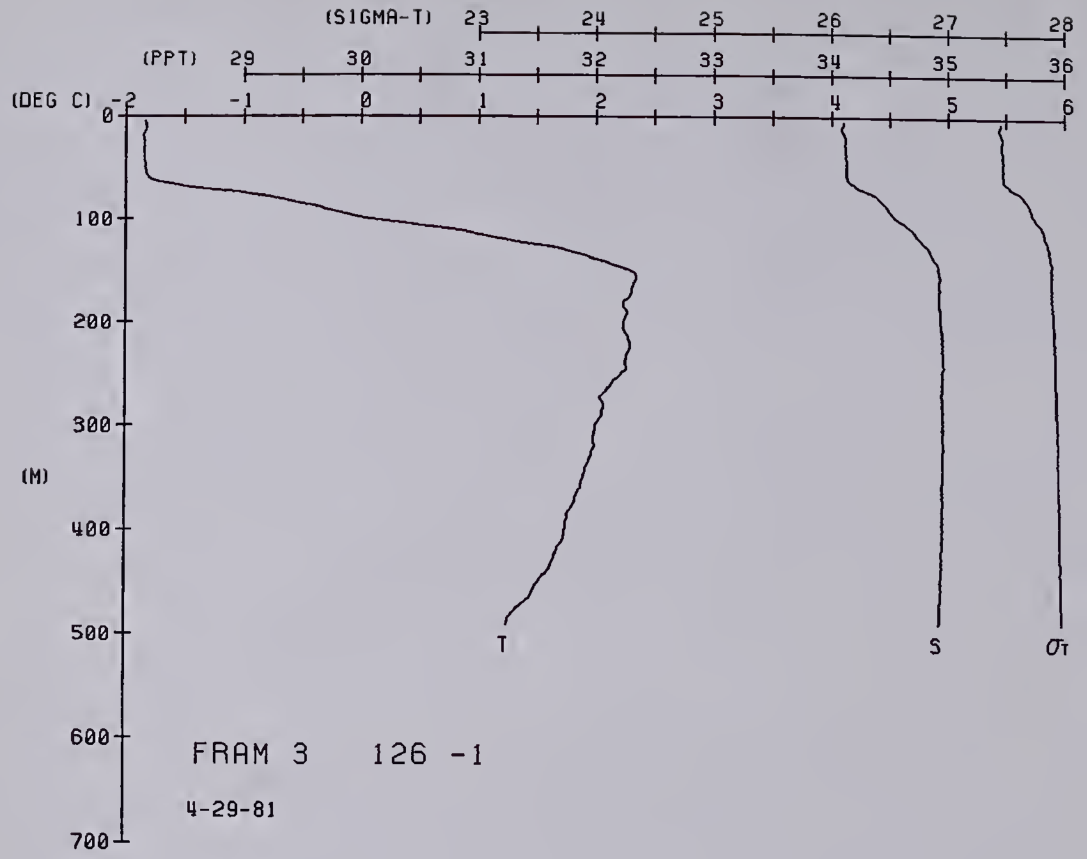

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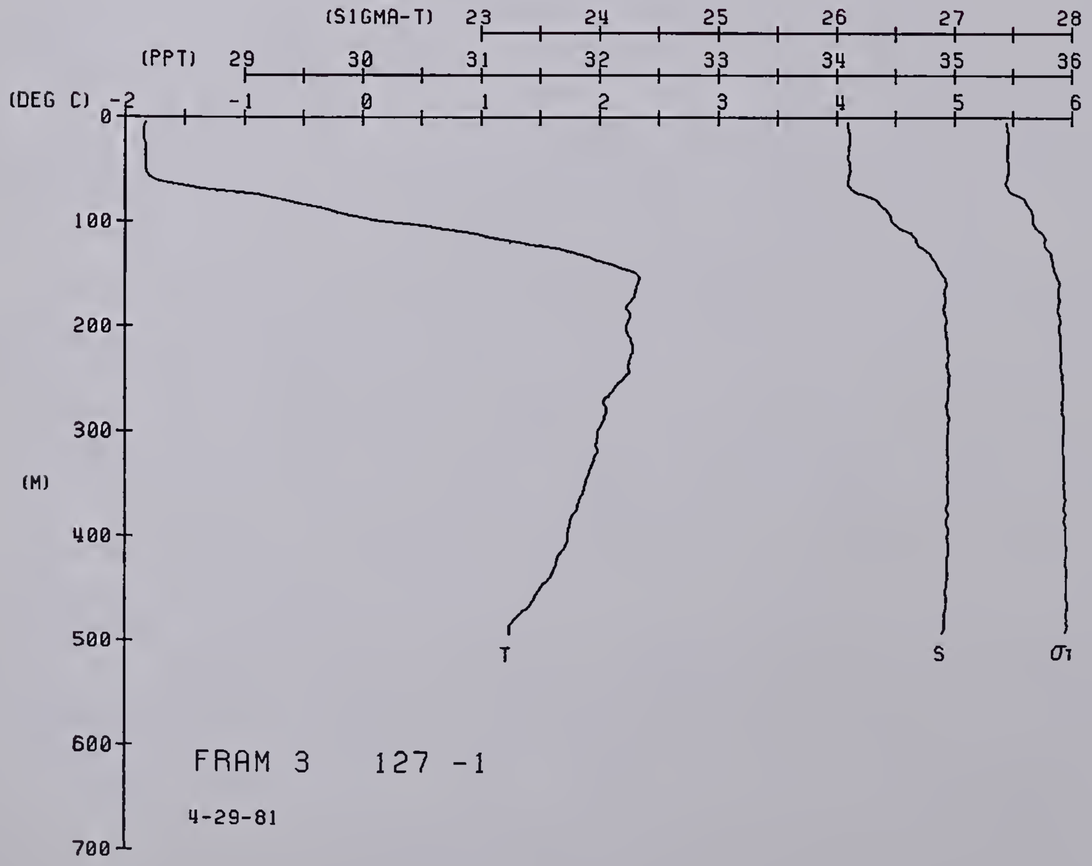

FRAM 3 127 -1

4-29-81

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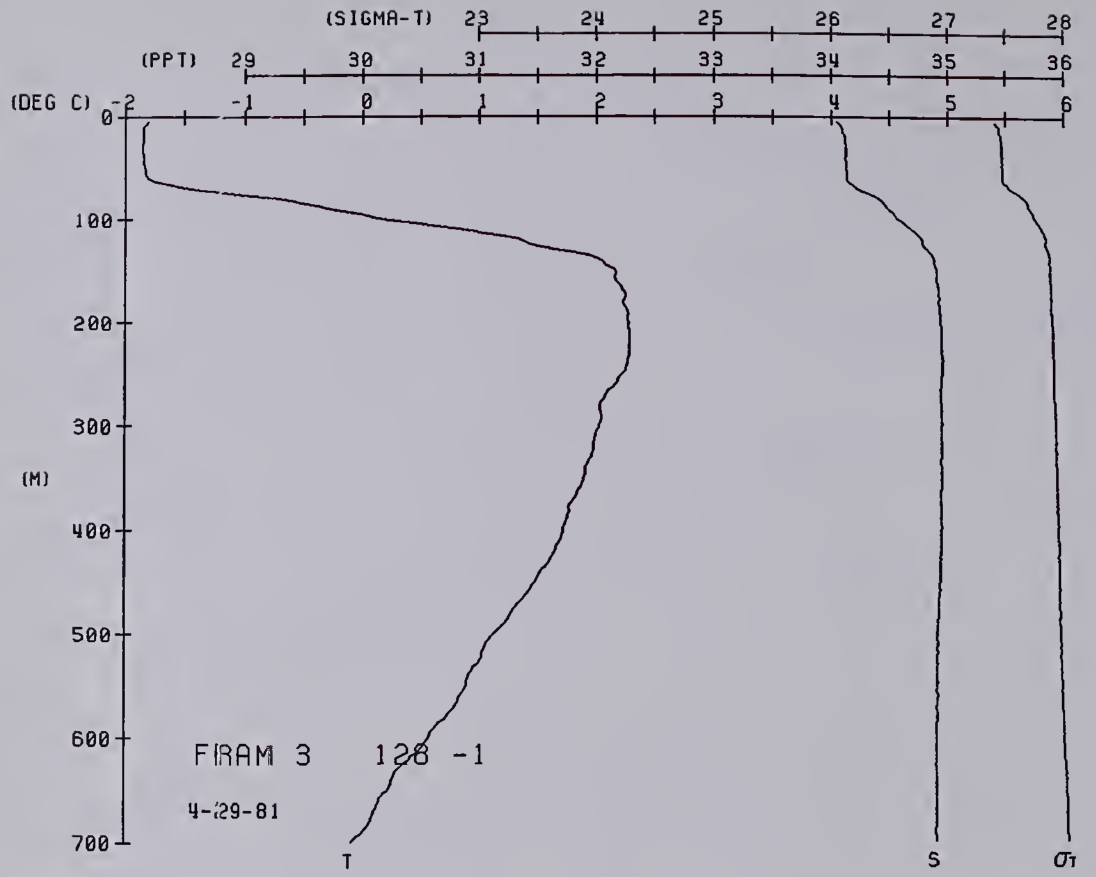
                    AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.79   -1.79   34.04   27.40    66.7   0.000  1439.6
   4.0   -1.79   -1.79   34.04   27.40    66.7   0.003  1439.7
   5.0   -1.80   -1.80   34.05   27.41    65.8   0.003  1439.7
  10.0   -1.84   -1.84   34.09   27.44    62.7   0.007  1439.6
  15.0   -1.84   -1.84   34.10   27.45    62.2   0.010  1439.7
  20.0   -1.85   -1.85   34.12   27.46    60.7   0.013  1439.8
  25.0   -1.85   -1.85   34.12   27.47    60.3   0.016  1439.9
  30.0   -1.85   -1.85   34.13   27.47    59.9   0.019  1440.0
  35.0   -1.85   -1.85   34.13   27.47    59.8   0.022  1440.0
  40.0   -1.84   -1.84   34.13   27.47    59.8   0.025  1440.2
  45.0   -1.84   -1.84   34.13   27.47    59.9   0.028  1440.3
  50.0   -1.83   -1.83   34.13   27.47    59.5   0.031  1440.4
  55.0   -1.82   -1.82   34.13   27.47    59.5   0.034  1440.5
  60.0   -1.80   -1.80   34.14   27.48    59.0   0.037  1440.7
  65.0   -1.69   -1.69   34.17   27.50    56.8   0.040  1441.4
  70.0   -1.46   -1.46   34.23   27.54    53.0   0.043  1442.6
  75.0   -1.13   -1.13   34.33   27.62    45.8   0.045  1444.4
  80.0   -0.73   -0.73   34.41   27.67    41.4   0.047  1446.5
  85.0   -0.47   -0.48   34.46   27.69    38.9   0.050  1447.8
  90.0   -0.27   -0.27   34.50   27.71    36.9   0.051  1448.9
  95.0   -0.02   -0.02   34.55   27.74    34.6   0.053  1450.2
 100.0    0.19    0.19   34.58   27.76    32.7   0.055  1451.2
 110.0    0.84    0.83   34.70   27.81    27.9   0.058  1454.5
 120.0    1.35    1.34   34.78   27.84    25.2   0.061  1457.1
 130.0    1.67    1.66   34.84   27.87    23.2   0.063  1458.7
 140.0    2.04    2.04   34.88   27.88    22.6   0.065  1460.6
 150.0    2.16    2.15   34.90   27.88    22.4   0.068  1461.3
 160.0    2.17    2.16   34.91   27.88    21.9   0.070  1461.5
 170.0    2.24    2.23   34.92   27.88    22.0   0.072  1462.0
 180.0    2.23    2.22   34.92   27.89    21.5   0.074  1462.1
 190.0    2.27    2.26   34.93   27.90    21.0   0.077  1462.5
 200.0    2.28    2.26   34.94   27.90    20.9   0.079  1462.7
 210.0    2.29    2.27   34.94   27.90    20.4   0.081  1462.9
 220.0    2.28    2.27   34.94   27.90    20.5   0.083  1463.1
 230.0    2.28    2.27   34.95   27.91    20.1   0.085  1463.2
 240.0    2.27    2.25   34.95   27.91    19.8   0.087  1463.3
 250.0    2.22    2.20   34.95   27.91    19.8   0.089  1463.3
 260.0    2.16    2.15   34.94   27.91    19.9   0.091  1463.2
 270.0    2.07    2.06   34.94   27.91    19.6   0.093  1463.0
 280.0    2.03    2.01   34.94   27.92    19.0   0.095  1462.9
 290.0    2.04    2.02   34.94   27.92    19.0   0.097  1463.2
 300.0    2.02    2.00   34.94   27.92    18.7   0.099  1463.2
 310.0    1.98    1.96   34.94   27.93    18.5   0.101  1463.2
 320.0    1.98    1.96   34.94   27.93    18.5   0.102  1463.4
 330.0    1.95    1.93   34.94   27.93    18.4   0.104  1463.4
 340.0    1.90    1.89   34.94   27.93    18.2   0.106  1463.4
 350.0    1.89    1.88   34.94   27.93    18.2   0.108  1463.5
 360.0    1.85    1.83   34.94   27.93    18.0   0.110  1463.5
 370.0    1.80    1.78   34.94   27.94    17.8   0.112  1463.4
 380.0    1.76    1.74   34.93   27.94    17.8   0.113  1463.4
 390.0    1.74    1.72   34.93   27.94    17.5   0.115  1463.5
 400.0    1.71    1.69   34.94   27.94    17.2   0.117  1463.5
 410.0    1.69    1.66   34.93   27.94    17.3   0.119  1463.6
 420.0    1.64    1.62   34.93   27.95    17.0   0.120  1463.5
 430.0    1.59    1.57   34.93   27.95    17.0   0.122  1463.5
 440.0    1.51    1.49   34.93   27.95    16.5   0.124  1463.3
 450.0    1.47    1.44   34.92   27.95    16.6   0.126  1463.3
 460.0    1.41    1.39   34.92   27.95    16.3   0.127  1463.2
 470.0    1.33    1.30   34.92   27.95    15.9   0.129  1463.0
 480.0    1.27    1.24   34.91   27.95    15.9   0.130  1462.9
 490.0    1.21    1.18   34.90   27.95    16.0   0.132  1462.7
 500.0    1.12    1.09   34.90   27.96    15.7   0.134  1462.5
 530.0    0.97    0.94   34.90   27.96    14.8   0.138  1462.3
 560.0    0.83    0.80   34.90   27.98    13.5   0.143  1462.2
 590.0    0.61    0.58   34.89   27.98    12.9   0.147  1461.7
 620.0    0.39    0.36   34.89   27.99    11.3   0.150  1461.2
 650.0    0.21    0.18   34.88   28.00    10.1   0.154  1460.9
 680.0    0.06    0.03   34.89   28.01     9.0   0.157  1460.7

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0   -0.17   -0.20   34.88   28.02     7.7   0.159  1460.2
 740.0   -0.40   -0.43   34.89   28.04     5.7   0.161  1459.6
 790.0   -0.61   -0.64   34.89   28.05     4.2   0.164  1459.5
 838.2   -0.83   -0.86   34.90   28.07     1.6   0.165  1459.3
```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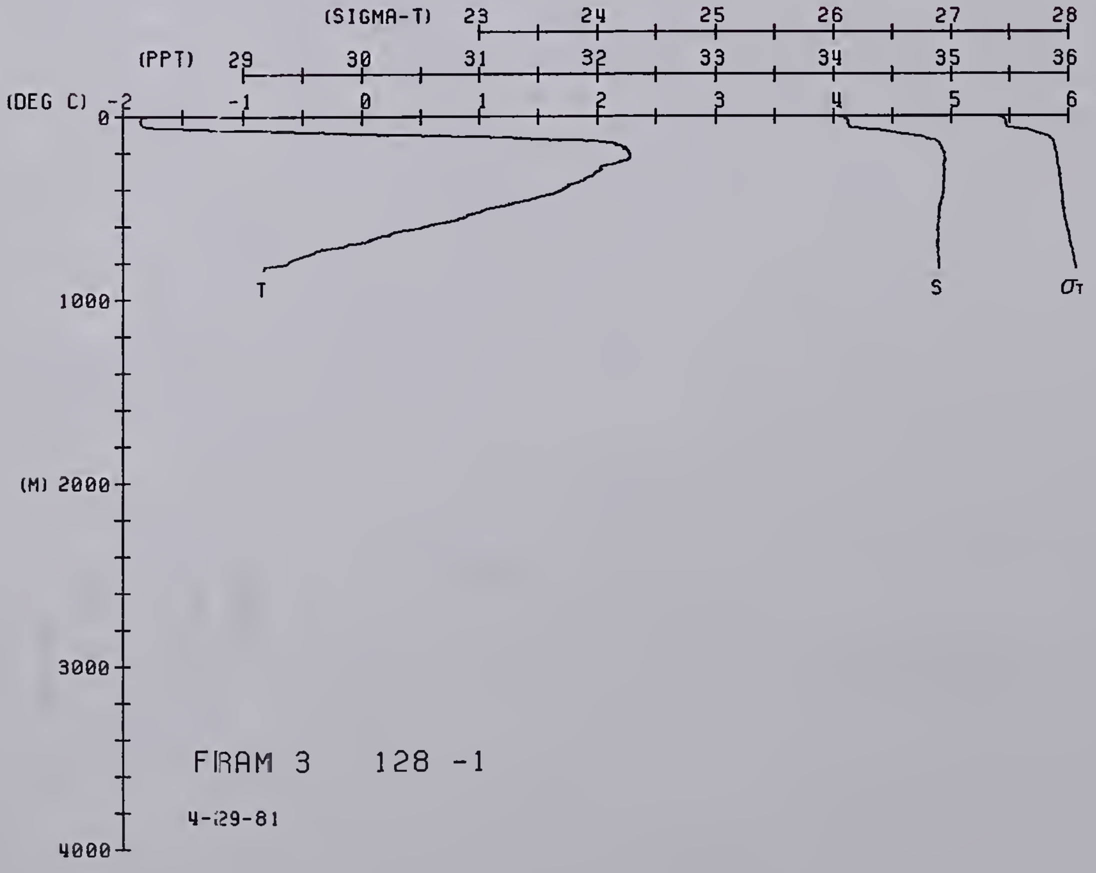
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 128 -1
4-29-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
T
S
σT
1000
(M) 2000
3000
FRAM 3 128 -1
4-29-81
4000

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 FRAM 3  STATION 129(1) CTD  29/APR/1981 1116 GMT  CODE = 5
LAT = 81.9950N LNG =    9.8533E LTER =    300, LGER =    300,
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.01   27.38    68.8   0.000  1439.3
   4.0   -1.84   -1.84   34.01   27.38    68.8   0.003  1439.4
   5.0   -1.84   -1.84   34.01   27.38    68.7   0.003  1439.4
  10.0   -1.85   -1.85   34.02   27.38    68.3   0.007  1439.5
  15.0   -1.85   -1.85   34.02   27.38    68.4   0.010  1439.6
  20.0   -1.85   -1.85   34.02   27.38    68.4   0.014  1439.7
  25.0   -1.85   -1.85   34.01   27.38    68.6   0.017  1439.7
  30.0   -1.85   -1.85   34.01   27.38    68.9   0.021  1439.8
  35.0   -1.85   -1.85   34.00   27.37    69.3   0.024  1439.9
  40.0   -1.84   -1.84   34.02   27.38    68.4   0.028  1440.0
  45.0   -1.75   -1.75   34.03   27.39    67.1   0.031  1440.5
  50.0   -1.60   -1.60   34.10   27.45    62.2   0.034  1441.5
  55.0   -1.42   -1.42   34.18   27.51    56.5   0.037  1442.5
  60.0   -1.27   -1.27   34.25   27.55    52.0   0.040  1443.4
  65.0   -1.19   -1.19   34.28   27.57    50.1   0.043  1443.8
  70.0   -1.10   -1.11   34.30   27.59    48.3   0.045  1444.4
  75.0   -1.00   -1.01   34.32   27.60    47.2   0.048  1445.0
  80.0   -0.91   -0.91   34.35   27.62    45.4   0.050  1445.5
  85.0   -0.82   -0.82   34.38   27.64    43.5   0.052  1446.1
  90.0   -0.74   -0.74   34.40   27.65    42.6   0.054  1446.6
  95.0   -0.59   -0.59   34.42   27.67    41.1   0.057  1447.4
 100.0   -0.45   -0.46   34.45   27.68    39.7   0.059  1448.1
 110.0    0.00    0.00   34.51   27.71    37.5   0.062  1450.4
 120.0    0.26    0.26   34.60   27.77    31.9   0.066  1451.9
 130.0    0.60    0.59   34.66   27.80    29.2   0.069  1453.7
 140.0    0.92    0.91   34.72   27.83    26.9   0.072  1455.4
 150.0    1.20    1.19   34.77   27.85    25.1   0.075  1456.9
 160.0    1.41    1.40   34.81   27.87    23.3   0.077  1458.0
 170.0    1.55    1.54   34.84   27.88    22.2   0.079  1458.9
 180.0    1.80    1.79   34.88   27.89    21.0   0.082  1460.2
 190.0    1.71    1.70   34.90   27.92    18.7   0.084  1460.0
 200.0    1.61    1.60   34.91   27.93    17.8   0.085  1459.7
 210.0    1.76    1.75   34.90   27.91    19.1   0.087  1460.5
 220.0    2.13    2.12   34.95   27.92    18.6   0.089  1462.4
 230.0    2.24    2.23   34.98   27.93    17.6   0.091  1463.1
 240.0    2.24    2.23   34.99   27.95    16.4   0.093  1463.3
 250.0    2.13    2.12   34.99   27.95    16.1   0.094  1463.0
 260.0    2.11    2.10   34.98   27.95    16.2   0.096  1463.0
 270.0    2.09    2.07   34.99   27.95    15.9   0.098  1463.1
 280.0    2.03    2.01   34.99   27.96    15.3   0.099  1463.0
 290.0    2.00    1.98   34.98   27.96    15.4   0.101  1463.0
 300.0    1.99    1.97   35.00   27.97    14.4   0.102  1463.2
 310.0    1.95    1.93   34.99   27.97    14.7   0.104  1463.1
 320.0    1.92    1.90   34.99   27.97    14.6   0.105  1463.2
 330.0    1.87    1.85   34.99   27.97    14.4   0.107  1463.1
 340.0    1.84    1.82   34.98   27.97    14.5   0.108  1463.1
 350.0    1.79    1.78   34.99   27.98    13.4   0.110  1463.1
 360.0    1.74    1.72   34.98   27.98    13.8   0.111  1463.1
 370.0    1.69    1.67   34.98   27.98    13.2   0.112  1463.0
 380.0    1.63    1.61   34.98   27.98    13.4   0.114  1462.9
 390.0    1.55    1.53   34.97   27.98    13.1   0.115  1462.7
 400.0    1.49    1.47   34.98   27.99    12.4   0.116  1462.6
 410.0    1.44    1.41   34.97   27.99    12.1   0.118  1462.5
 420.0    1.41    1.38   34.97   27.99    12.2   0.119  1462.6
 430.0    1.37    1.35   34.96   27.99    12.9   0.120  1462.5
 440.0    1.32    1.30   34.96   27.99    12.6   0.121  1462.5
 450.0    1.23    1.21   34.96   28.00    11.8   0.123  1462.3
 460.0    1.19    1.16   34.95   28.00    11.9   0.124  1462.2
 470.0    1.15    1.13   34.95   28.00    11.7   0.125  1462.3
 480.0    1.12    1.10   34.95   28.00    11.4   0.126  1462.3
 490.0    1.09    1.06   34.95   28.00    11.2   0.127  1462.3
 499.0    1.02    1.00   34.97   28.02     9.8   0.128  1462.1
```

```
 FRAM 3  STATION 130(1) CTD  29/APR/1981 1427 GMT  CODE = 5
LAT = 82.3183N LNG =    8.9333E LTER =    300, LGER =    300,
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.84   -1.84   33.97   27.34    72.5   0.000  1439.3
  4.0   -1.84   -1.84   33.97   27.34    72.5   0.003  1439.3
  5.0   -1.84   -1.84   33.97   27.34    72.4   0.004  1439.4
 10.0   -1.85   -1.85   33.98   27.35    71.3   0.007  1439.4
 15.0   -1.84   -1.84   33.97   27.35    71.8   0.011  1439.5
 20.0   -1.84   -1.84   33.97   27.34    72.1   0.015  1439.6
 25.0   -1.84   -1.84   33.98   27.35    71.4   0.018  1439.7
 30.0   -1.84   -1.84   33.98   27.35    71.4   0.022  1439.8
 35.0   -1.84   -1.84   33.98   27.35    71.3   0.025  1439.9
 40.0   -1.83   -1.83   33.97   27.35    71.7   0.029  1440.0
 45.0   -1.72   -1.72   33.99   27.36    70.8   0.033  1440.6
 50.0   -1.53   -1.53   34.06   27.41    65.7   0.036  1441.7
 55.0   -1.38   -1.38   34.13   27.46    60.8   0.039  1442.6
 60.0   -1.20   -1.20   34.19   27.50    56.8   0.042  1443.6
 65.0   -1.04   -1.04   34.24   27.54    53.4   0.045  1444.5
 70.0   -0.91   -0.91   34.28   27.56    51.0   0.048  1445.2
 75.0   -0.84   -0.84   34.32   27.59    48.2   0.050  1445.7
 80.0   -0.73   -0.73   34.33   27.60    47.4   0.053  1446.3
 85.0   -0.54   -0.54   34.37   27.62    45.8   0.055  1447.4
 90.0   -0.39   -0.39   34.40   27.64    43.9   0.057  1448.2
 95.0   -0.24   -0.25   34.44   27.66    41.7   0.059  1449.0
100.0   -0.11   -0.12   34.46   27.67    40.9   0.061  1449.7
110.0    0.21    0.20   34.53   27.71    37.0   0.065  1451.4
120.0    0.41    0.40   34.58   27.75    34.0   0.069  1452.6
130.0    0.66    0.66   34.63   27.77    32.4   0.072  1453.9
140.0    1.05    1.04   34.72   27.82    27.8   0.075  1456.0
150.0    1.17    1.16   34.73   27.82    27.6   0.078  1456.7
160.0    1.39    1.38   34.77   27.84    26.1   0.081  1457.9
170.0    1.53    1.52   34.81   27.86    24.3   0.083  1458.7
180.0    1.68    1.67   34.84   27.87    23.6   0.086  1459.6
190.0    1.82    1.81   34.86   27.88    22.7   0.088  1460.4
200.0    1.97    1.96   34.88   27.88    22.3   0.090  1461.3
210.0    2.15    2.14   34.93   27.90    20.5   0.093  1462.3
220.0    2.17    2.16   34.93   27.90    20.9   0.095  1462.6
230.0    2.20    2.19   34.94   27.90    20.3   0.097  1462.9
240.0    2.25    2.24   34.94   27.91    20.4   0.099  1463.2
250.0    2.24    2.23   34.95   27.91    20.0   0.101  1463.4
260.0    2.24    2.23   34.96   27.92    19.5   0.103  1463.6
270.0    2.17    2.16   34.96   27.92    18.7   0.105  1463.4
280.0    2.17    2.16   34.96   27.93    18.5   0.107  1463.6
290.0    2.16    2.15   34.97   27.93    18.1   0.109  1463.7
300.0    2.14    2.12   34.97   27.94    17.8   0.110  1463.8
310.0    2.07    2.05   34.96   27.93    18.0   0.112  1463.7
320.0    2.02    2.00   34.97   27.94    17.0   0.114  1463.6
330.0    1.96    1.94   34.97   27.95    16.5   0.116  1463.5
340.0    1.89    1.87   34.96   27.95    16.8   0.117  1463.4
350.0    1.87    1.86   34.95   27.94    17.0   0.119  1463.4
360.0    1.84    1.82   34.96   27.95    16.6   0.121  1463.5
370.0    1.82    1.80   34.95   27.95    16.5   0.122  1463.5
380.0    1.82    1.79   34.96   27.95    16.2   0.124  1463.7
390.0    1.77    1.75   34.96   27.96    15.8   0.126  1463.7
400.0    1.70    1.68   34.95   27.95    16.2   0.127  1463.5
410.0    1.68    1.65   34.95   27.96    15.8   0.129  1463.6
420.0    1.64    1.62   34.95   27.96    15.6   0.131  1463.6
430.0    1.59    1.57   34.95   27.96    15.4   0.132  1463.5
440.0    1.53    1.51   34.96   27.97    14.4   0.134  1463.4
450.0    1.50    1.48   34.95   27.97    14.5   0.135  1463.4
460.0    1.45    1.42   34.95   27.97    14.1   0.137  1463.4
470.0    1.41    1.39   34.95   27.98    13.8   0.138  1463.4
480.0    1.39    1.36   34.95   27.97    14.2   0.139  1463.5
490.0    1.33    1.31   34.94   27.98    14.0   0.141  1463.4
500.0    1.29    1.26   34.95   27.98    13.4   0.142  1463.3
500.0    1.29    1.26   34.95   27.98    13.4   0.142  1463.3
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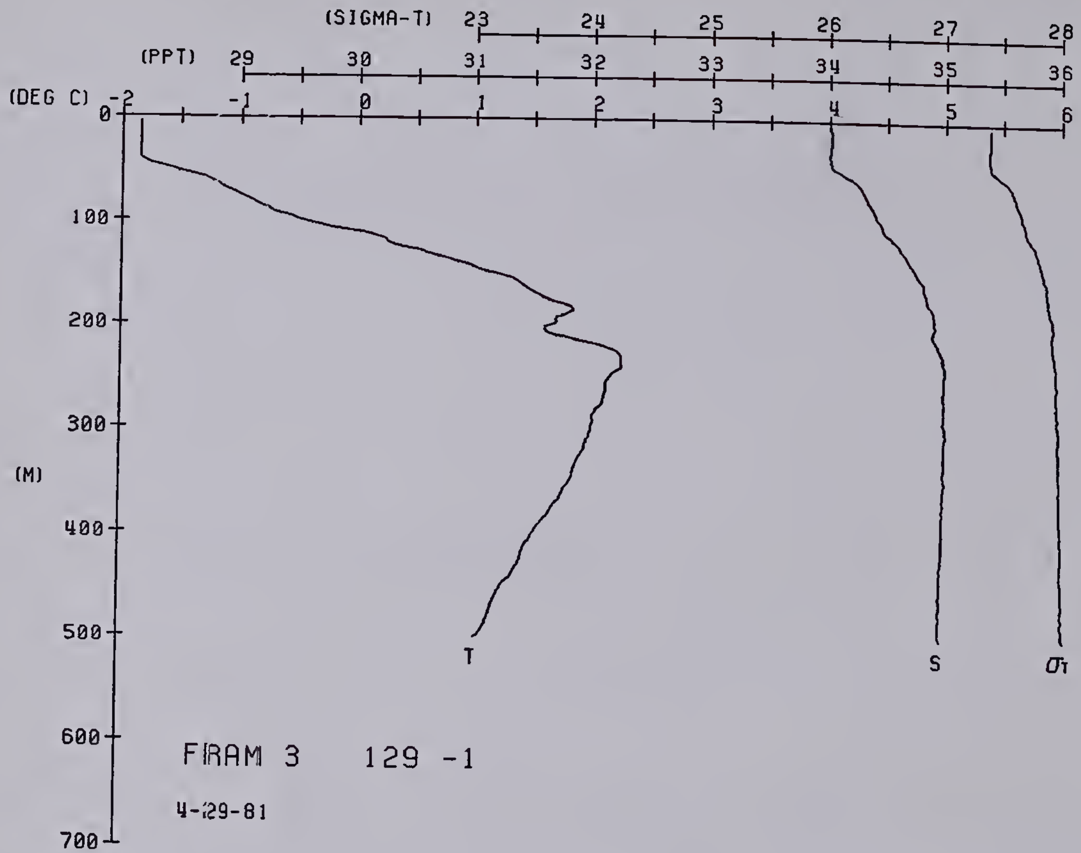
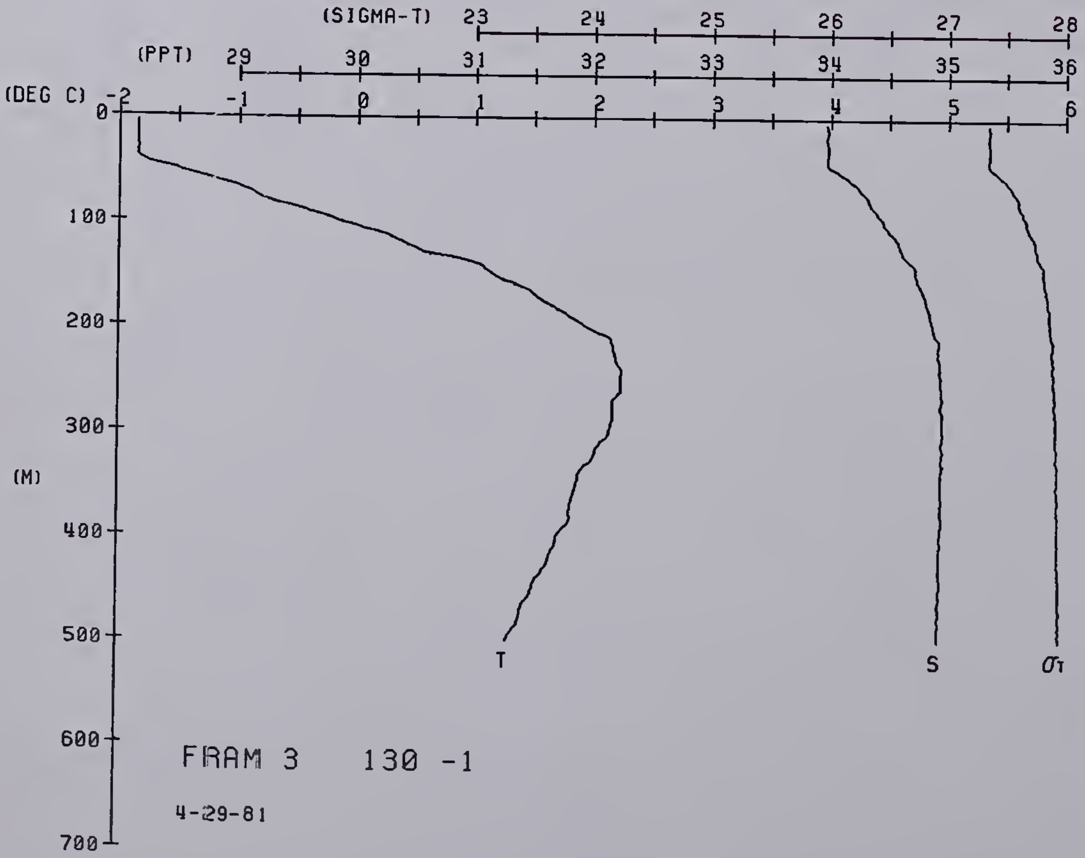


FRAM 3 129 -1

4-29-81

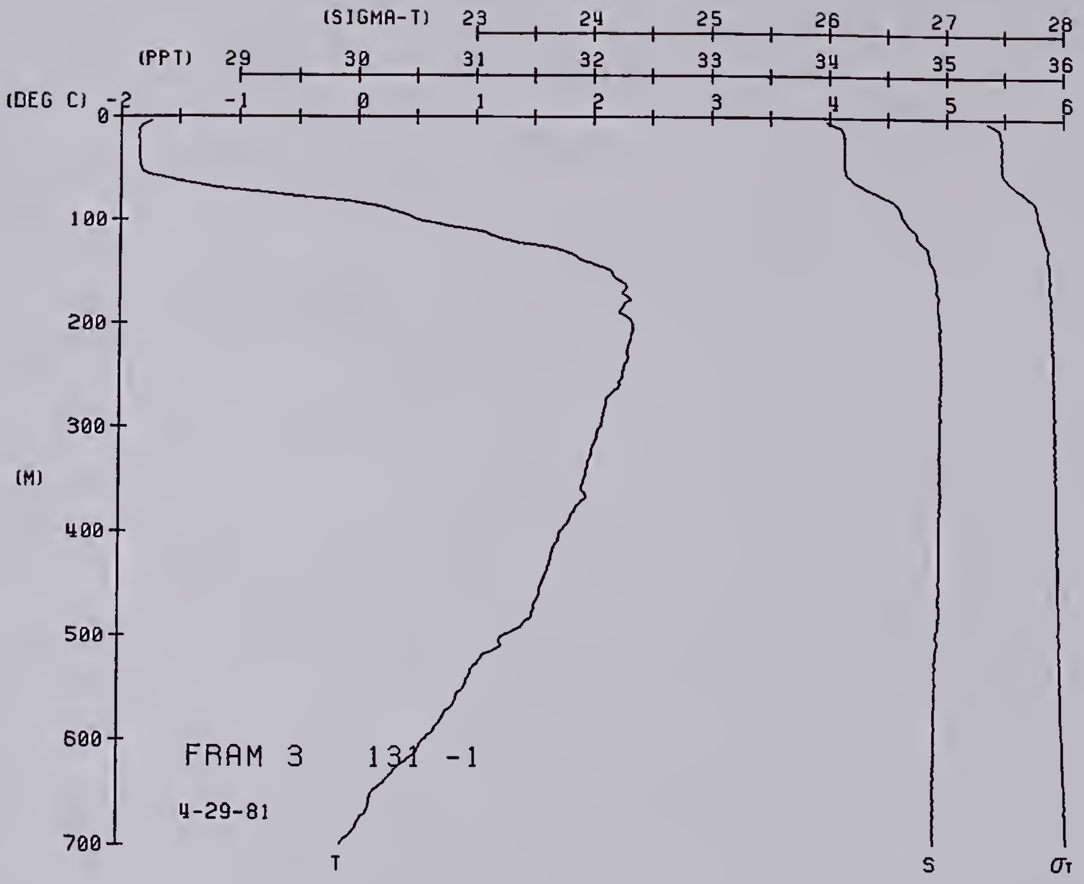


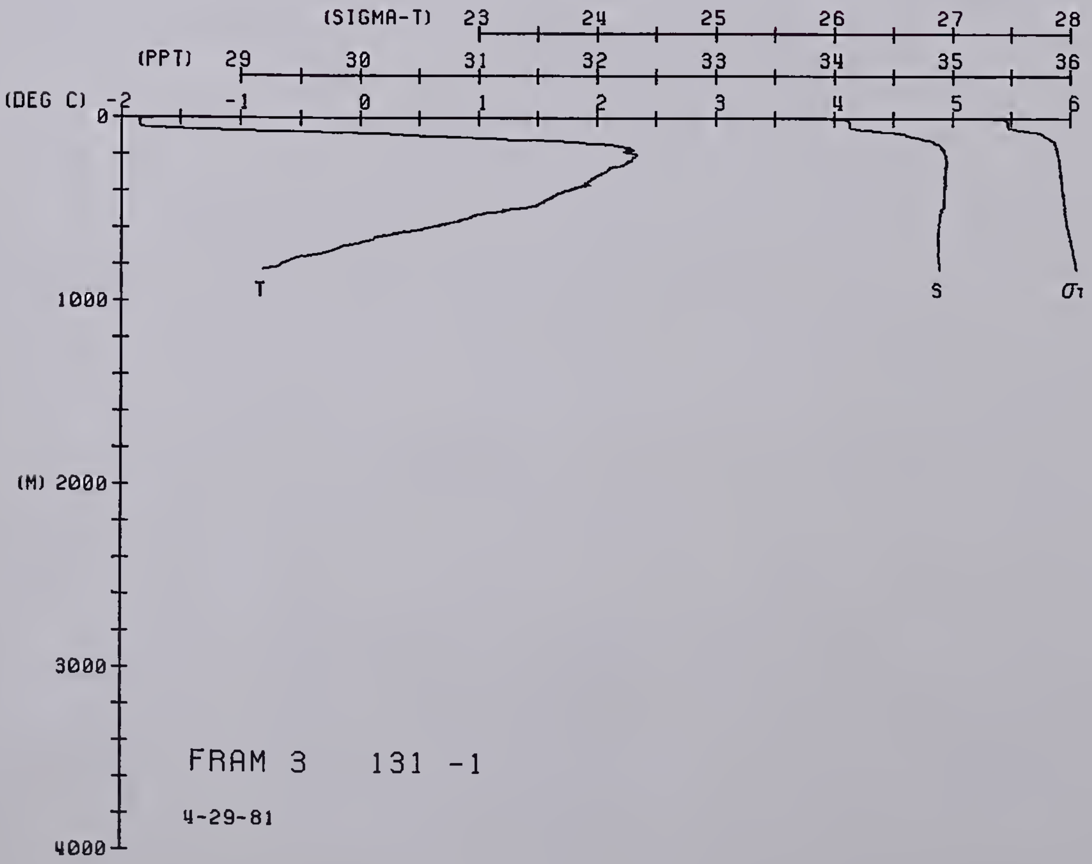
FRAM 3 130 -1

4-29-81

FRAM 3 STATION 131(1) CTD 29/APR/1981 1452 GMT CODE = 5
LAT = 81.8967N LNG = 5.4565E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.72	-1.72	33.95	27.32	74.0	0.000	1439.8
4.0	-1.72	-1.72	33.95	27.32	74.0	0.003	1439.9
5.0	-1.74	-1.74	33.98	27.35	71.5	0.004	1439.9
10.0	-1.83	-1.83	34.09	27.44	62.9	0.007	1439.7
15.0	-1.85	-1.85	34.12	27.46	60.8	0.010	1439.7
20.0	-1.85	-1.85	34.13	27.47	59.9	0.013	1439.8
25.0	-1.85	-1.85	34.13	27.47	60.0	0.016	1439.9
30.0	-1.85	-1.85	34.13	27.47	59.7	0.019	1440.0
35.0	-1.84	-1.84	34.13	27.47	59.9	0.022	1440.1
40.0	-1.84	-1.84	34.13	27.47	59.5	0.025	1440.2
45.0	-1.84	-1.84	34.13	27.47	59.6	0.028	1440.3
50.0	-1.83	-1.83	34.13	27.47	59.4	0.031	1440.4
55.0	-1.78	-1.78	34.14	27.48	58.7	0.034	1440.7
60.0	-1.60	-1.60	34.19	27.52	55.3	0.037	1441.7
65.0	-1.40	-1.40	34.25	27.56	51.2	0.040	1442.8
70.0	-1.11	-1.12	34.34	27.62	45.8	0.042	1444.4
75.0	-0.71	-0.71	34.43	27.68	40.4	0.045	1446.5
80.0	-0.25	-0.25	34.53	27.74	34.9	0.047	1448.8
85.0	0.09	0.09	34.59	27.77	32.0	0.048	1450.5
90.0	0.28	0.28	34.61	27.78	31.3	0.050	1451.5
95.0	0.41	0.41	34.63	27.78	30.8	0.051	1452.2
100.0	0.53	0.52	34.65	27.79	30.0	0.053	1452.9
110.0	1.01	1.00	34.73	27.83	26.6	0.056	1455.3
120.0	1.29	1.29	34.77	27.84	25.3	0.058	1456.8
130.0	1.77	1.76	34.84	27.86	23.4	0.061	1459.2
140.0	1.94	1.94	34.87	27.87	23.0	0.063	1460.2
150.0	2.16	2.15	34.90	27.88	22.3	0.065	1461.3
160.0	2.26	2.25	34.92	27.89	21.7	0.068	1461.9
170.0	2.25	2.24	34.92	27.89	21.5	0.070	1462.0
180.0	2.27	2.26	34.93	27.89	21.4	0.072	1462.3
190.0	2.25	2.24	34.93	27.89	21.1	0.074	1462.4
200.0	2.34	2.32	34.95	27.90	20.6	0.076	1463.0
210.0	2.32	2.31	34.95	27.90	20.6	0.078	1463.1
220.0	2.30	2.29	34.95	27.90	20.5	0.081	1463.2
230.0	2.30	2.28	34.95	27.91	20.0	0.083	1463.3
240.0	2.27	2.25	34.95	27.91	19.8	0.085	1463.3
250.0	2.25	2.24	34.95	27.91	19.9	0.087	1463.4
260.0	2.22	2.21	34.96	27.92	19.2	0.089	1463.5
270.0	2.12	2.11	34.94	27.91	19.6	0.091	1463.2
280.0	2.11	2.09	34.94	27.92	19.3	0.092	1463.3
290.0	2.08	2.06	34.95	27.92	18.9	0.094	1463.3
300.0	2.06	2.04	34.94	27.92	19.3	0.096	1463.4
310.0	2.03	2.01	34.94	27.92	18.8	0.098	1463.5
320.0	1.99	1.97	34.94	27.93	18.8	0.100	1463.4
330.0	1.97	1.95	34.94	27.93	18.6	0.102	1463.5
340.0	1.95	1.93	34.94	27.93	18.6	0.104	1463.6
350.0	1.92	1.90	34.94	27.93	18.5	0.106	1463.6
360.0	1.91	1.89	34.94	27.93	18.3	0.108	1463.8
370.0	1.91	1.89	34.94	27.93	18.1	0.110	1463.9
380.0	1.84	1.81	34.94	27.93	18.1	0.111	1463.7
390.0	1.80	1.78	34.93	27.94	17.9	0.113	1463.7
400.0	1.73	1.70	34.94	27.94	17.3	0.115	1463.6
410.0	1.70	1.67	34.93	27.94	17.5	0.117	1463.6
420.0	1.66	1.63	34.93	27.95	17.0	0.118	1463.6
430.0	1.63	1.61	34.93	27.95	17.0	0.120	1463.7
440.0	1.60	1.58	34.93	27.95	16.9	0.122	1463.7
450.0	1.57	1.54	34.93	27.95	16.7	0.124	1463.7
460.0	1.55	1.53	34.93	27.95	16.6	0.125	1463.8
470.0	1.51	1.48	34.93	27.95	16.1	0.127	1463.8
480.0	1.49	1.46	34.93	27.96	16.1	0.129	1463.9
490.0	1.41	1.38	34.93	27.96	15.6	0.130	1463.7
500.0	1.23	1.21	34.91	27.96	15.8	0.132	1463.0
530.0	0.99	0.96	34.90	27.96	14.8	0.136	1462.4
560.0	0.85	0.82	34.89	27.97	14.1	0.141	1462.3
590.0	0.66	0.63	34.89	27.98	13.0	0.145	1461.9
620.0	0.41	0.39	34.88	27.99	11.6	0.149	1461.3
650.0	0.13	0.11	34.88	28.00	9.8	0.152	1460.6
680.0	0.01	-0.02	34.88	28.01	8.9	0.155	1460.5
710.0	-0.18	-0.21	34.89	28.02	7.3	0.157	1460.1
740.0	-0.34	-0.37	34.88	28.03	6.7	0.159	1459.9
790.0	-0.63	-0.66	34.89	28.05	3.8	0.162	1459.4
831.3	-0.81	-0.84	34.90	28.06	2.3	0.163	1459.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
0
100
200
300
400
500
600
700
FRAM 3 131 -1
4-29-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 131 -1
4-29-81

```
 FRAM 3  STATION 132(1) CTD  29/APR/1981 1524 GMT  CODE = 5
LAT = 81.9617N LNG =   8.8833E GTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.87   -1.87   34.07   27.43    64.1   0.000  1439.3
   4.0   -1.87   -1.87   34.07   27.43    64.0   0.003  1439.4
   5.0   -1.87   -1.87   34.07   27.43    64.0   0.003  1439.4
  10.0   -1.87   -1.87   34.07   27.43    64.3   0.006  1439.5
  15.0   -1.87   -1.87   34.07   27.42    64.6   0.010  1439.6
  20.0   -1.87   -1.87   34.07   27.42    64.6   0.013  1439.6
  25.0   -1.87   -1.87   34.07   27.43    63.9   0.016  1439.7
  30.0   -1.87   -1.87   34.08   27.43    63.6   0.020  1439.8
  35.0   -1.86   -1.86   34.07   27.43    63.9   0.023  1439.9
  40.0   -1.84   -1.84   34.08   27.43    63.7   0.026  1440.1
  45.0   -1.79   -1.79   34.09   27.44    62.9   0.029  1440.4
  50.0   -1.72   -1.73   34.11   27.45    61.6   0.032  1440.9
  55.0   -1.65   -1.65   34.12   27.46    60.4   0.035  1441.3
  60.0   -1.46   -1.46   34.16   27.49    58.2   0.038  1442.3
  65.0   -1.20   -1.20   34.24   27.54    53.0   0.041  1443.8
  70.0   -1.06   -1.06   34.28   27.57    50.5   0.044  1444.6
  75.0   -0.87   -0.87   34.32   27.59    48.3   0.046  1445.6
  80.0   -0.70   -0.71   34.37   27.63    44.9   0.049  1446.5
  85.0   -0.50   -0.50   34.41   27.66    42.5   0.051  1447.6
  90.0   -0.30   -0.30   34.46   27.69    39.5   0.053  1448.7
  95.0   -0.20   -0.20   34.50   27.72    36.9   0.055  1449.3
 100.0   -0.13   -0.14   34.52   27.72    36.3   0.057  1449.7
 110.0    0.15    0.14   34.57   27.75    33.9   0.060  1451.2
 120.0    0.50    0.50   34.63   27.78    31.0   0.064  1453.1
 130.0    1.11    1.10   34.73   27.82    27.2   0.066  1456.1
 140.0    1.45    1.44   34.79   27.85    25.2   0.069  1457.9
 150.0    1.76    1.75   34.84   27.87    23.4   0.072  1459.5
 160.0    1.88    1.87   34.87   27.88    22.3   0.074  1460.2
 170.0    2.04    2.03   34.90   27.89    21.5   0.076  1461.1
 180.0    2.22    2.21   34.93   27.90    20.7   0.078  1462.1
 190.0    2.29    2.27   34.95   27.91    19.5   0.080  1462.6
 200.0    2.36    2.34   34.97   27.92    19.0   0.082  1463.1
 210.0    2.36    2.35   34.98   27.93    18.2   0.084  1463.3
 220.0    2.37    2.36   34.99   27.93    17.8   0.086  1463.5
 230.0    2.34    2.33   34.99   27.93    17.7   0.088  1463.5
 240.0    2.29    2.28   34.99   27.94    17.1   0.089  1463.5
 250.0    2.26    2.24   34.99   27.95    16.6   0.091  1463.5
 260.0    2.19    2.17   34.99   27.95    16.1   0.093  1463.4
 270.0    2.14    2.12   34.99   27.95    16.0   0.094  1463.3
 280.0    2.09    2.07   34.99   27.96    15.6   0.096  1463.3
 290.0    2.02    2.01   34.99   27.96    15.1   0.098  1463.1
 300.0    1.97    1.95   34.98   27.96    15.4   0.099  1463.0
 310.0    1.94    1.92   34.98   27.96    15.2   0.101  1463.1
 320.0    1.89    1.87   34.98   27.97    14.6   0.102  1463.0
 330.0    1.82    1.80   34.98   27.97    14.4   0.104  1462.9
 340.0    1.75    1.73   34.98   27.97    14.1   0.105  1462.7
 350.0    1.70    1.69   34.98   27.98    13.7   0.107  1462.7
 360.0    1.65    1.63   34.98   27.98    13.6   0.108  1462.7
 370.0    1.62    1.60   34.98   27.98    13.3   0.109  1462.7
 380.0    1.54    1.52   34.97   27.98    13.5   0.111  1462.5
 390.0    1.51    1.49   34.96   27.98    13.7   0.112  1462.5
 400.0    1.48    1.46   34.97   27.99    12.8   0.113  1462.6
 410.0    1.42    1.40   34.97   27.99    12.6   0.115  1462.4
 420.0    1.35    1.33   34.96   27.99    12.4   0.116  1462.3
 430.0    1.30    1.28   34.96   27.99    12.2   0.117  1462.3
 440.0    1.23    1.21   34.96   28.00    11.7   0.118  1462.1
 450.0    1.18    1.16   34.96   28.00    11.6   0.120  1462.0
 460.0    1.15    1.13   34.96   28.00    11.2   0.121  1462.1
 470.0    1.09    1.07   34.96   28.01    10.9   0.122  1462.0
 480.0    1.02    0.99   34.95   28.01    10.8   0.123  1461.8
 490.0    0.96    0.94   34.95   28.01    10.6   0.124  1461.7
 499.0    0.91    0.89   34.99   28.04     7.4   0.125  1461.7
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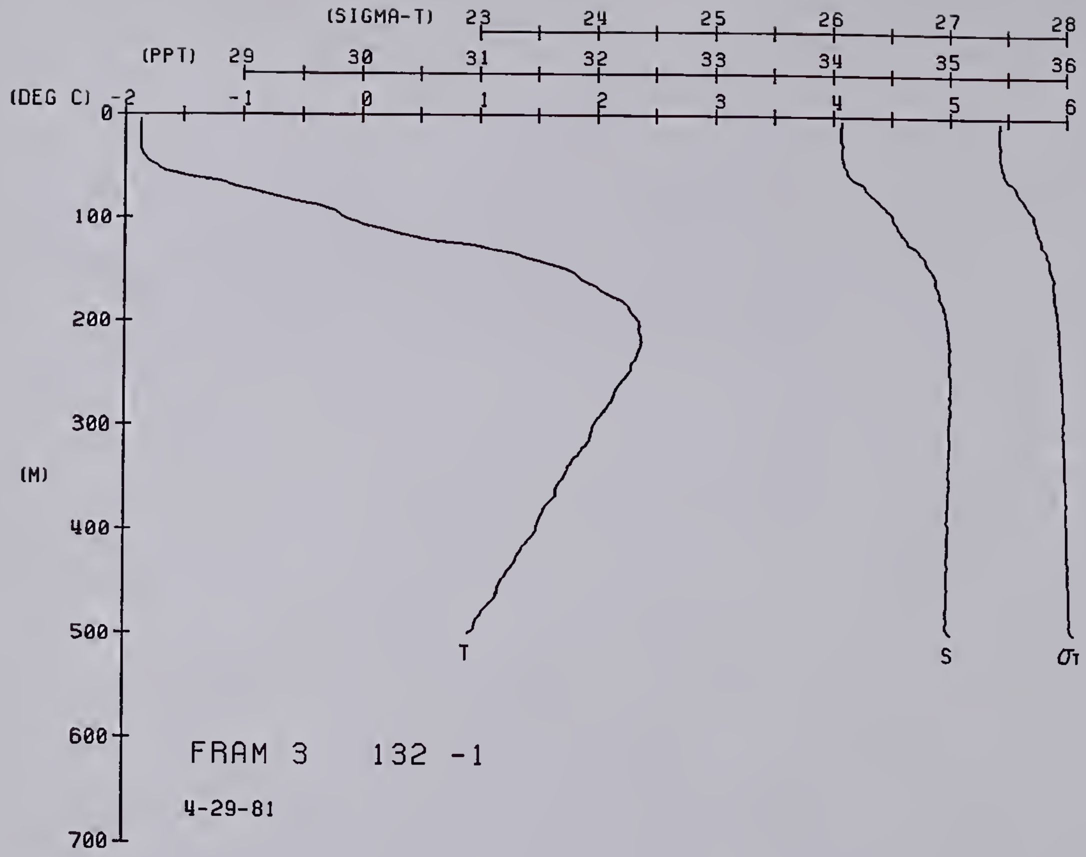

FRAM 3 132 -1

4-29-81

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                                        FRAM 3  STATION 133(1) CTD  29/APR/1981 1527 GMT  CODE = 5
                                        LAT = 81.8953N LNG =   5.4533E LTER =    30. LGER =    30.
                                        AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND              DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.76  -1.76  34.03  27.39   68.0  0.000  1439.7              710.0  -0.21  -0.24  34.88  28.02    7.2  0.157  1460.0
   4.0  -1.76  -1.76  34.03  27.39   68.0  0.003  1439.8              740.0  -0.32  -0.35  34.88  28.03    6.9  0.159  1460.0
   5.0  -1.78  -1.78  34.04  27.40   66.7  0.003  1439.8              790.0  -0.63  -0.66  34.89  28.05    4.1  0.162  1459.4
  10.0  -1.83  -1.83  34.09  27.44   63.2  0.007  1439.7              830.3  -0.81  -0.84  34.89  28.06    2.4  0.163  1459.3
  15.0  -1.85  -1.85  34.12  27.47   60.6  0.010  1439.7
  20.0  -1.85  -1.85  34.12  27.47   60.3  0.013  1439.8
  25.0  -1.85  -1.85  34.11  27.46   60.8  0.016  1439.9
  30.0  -1.84  -1.84  34.12  27.47   60.3  0.019  1440.0
  35.0  -1.84  -1.84  34.13  27.47   59.9  0.022  1440.1
  40.0  -1.83  -1.83  34.12  27.47   60.2  0.025  1440.2
  45.0  -1.83  -1.83  34.13  27.48   59.4  0.028  1440.3
  50.0  -1.82  -1.82  34.13  27.48   59.2  0.031  1440.5
  55.0  -1.76  -1.76  34.15  27.49   57.9  0.034  1440.8
  60.0  -1.56  -1.56  34.20  27.53   54.6  0.037  1441.9
  65.0  -1.45  -1.45  34.23  27.55   52.5  0.040  1442.6
  70.0  -1.16  -1.16  34.33  27.62   46.0  0.042  1444.1
  75.0  -0.78  -0.79  34.41  27.67   41.5  0.044  1446.1
  80.0  -0.29  -0.29  34.53  27.74   34.8  0.046  1448.6
  85.0   0.13   0.13  34.59  27.77   31.8  0.048  1450.7
  90.0   0.30   0.30  34.61  27.77   31.5  0.050  1451.6
  95.0   0.40   0.40  34.62  27.78   31.3  0.051  1452.2
 100.0   0.52   0.52  34.65  27.79   29.6  0.053  1452.8
 110.0   1.06   1.05  34.74  27.83   26.4  0.055  1455.5
 120.0   1.40   1.40  34.80  27.85   24.3  0.058  1457.3
 130.0   1.76   1.75  34.84  27.86   23.5  0.060  1459.1
 140.0   1.90   1.90  34.87  27.87   22.8  0.063  1460.0
 150.0   2.06   2.05  34.89  27.88   22.5  0.065  1460.8
 160.0   2.15   2.14  34.90  27.88   22.2  0.067  1461.4
 170.0   2.20   2.19  34.91  27.89   21.7  0.070  1461.9
 180.0   2.32   2.31  34.93  27.89   21.4  0.072  1462.5
 190.0   2.30   2.29  34.93  27.90   21.1  0.074  1462.6
 200.0   2.37   2.36  34.94  27.89   21.3  0.076  1463.1
 210.0   2.34   2.32  34.95  27.90   20.7  0.078  1463.1
 220.0   2.31   2.29  34.94  27.90   20.6  0.080  1463.2
 230.0   2.29   2.27  34.94  27.90   20.6  0.082  1463.3
 240.0   2.30   2.29  34.95  27.91   20.0  0.084  1463.5
 250.0   2.26   2.24  34.95  27.91   19.9  0.086  1463.5
 260.0   2.23   2.22  34.95  27.91   19.7  0.088  1463.5
 270.0   2.17   2.16  34.95  27.92   19.6  0.090  1463.4
 280.0   2.14   2.12  34.95  27.92   19.1  0.092  1463.4
 290.0   2.07   2.05  34.94  27.92   19.0  0.094  1463.3
 300.0   2.05   2.03  34.94  27.92   18.9  0.096  1463.3
 310.0   2.04   2.02  34.94  27.92   19.1  0.098  1463.5
 320.0   2.00   1.98  34.94  27.92   18.9  0.100  1463.5
 330.0   1.96   1.95  34.94  27.93   18.8  0.102  1463.5
 340.0   1.96   1.94  34.94  27.93   18.5  0.104  1463.6
 350.0   1.91   1.90  34.94  27.93   18.3  0.106  1463.6
 360.0   1.99   1.96  34.95  27.94   18.0  0.108  1464.1
 370.0   1.94   1.91  34.95  27.93   18.2  0.109  1464.0
 380.0   1.82   1.80  34.94  27.94   17.8  0.111  1463.7
 390.0   1.77   1.75  34.94  27.94   17.6  0.113  1463.6
 400.0   1.73   1.71  34.94  27.94   17.4  0.115  1463.6
 410.0   1.68   1.66  34.93  27.94   17.2  0.117  1463.6
 420.0   1.65   1.62  34.93  27.95   16.9  0.118  1463.6
 430.0   1.62   1.60  34.93  27.95   17.0  0.120  1463.6
 440.0   1.58   1.56  34.93  27.95   16.8  0.122  1463.6
 450.0   1.55   1.52  34.93  27.95   16.6  0.123  1463.6
 460.0   1.50   1.48  34.93  27.95   16.1  0.125  1463.6
 470.0   1.50   1.47  34.93  27.96   16.0  0.127  1463.8
 480.0   1.44   1.41  34.92  27.95   16.2  0.128  1463.6
 490.0   1.35   1.32  34.92  27.96   15.7  0.130  1463.4
 500.0   1.24   1.21  34.92  27.96   15.3  0.131  1463.1
 530.0   1.03   1.00  34.90  27.96   14.9  0.136  1462.6
 560.0   0.83   0.80  34.89  27.97   13.8  0.140  1462.2
 590.0   0.64   0.61  34.89  27.98   12.8  0.144  1461.9
 620.0   0.47   0.44  34.89  27.99   11.9  0.148  1461.6
 650.0   0.19   0.16  34.88  28.00   10.4  0.152  1460.8
 680.0   0.00  -0.03  34.88  28.01    8.8  0.155  1460.4
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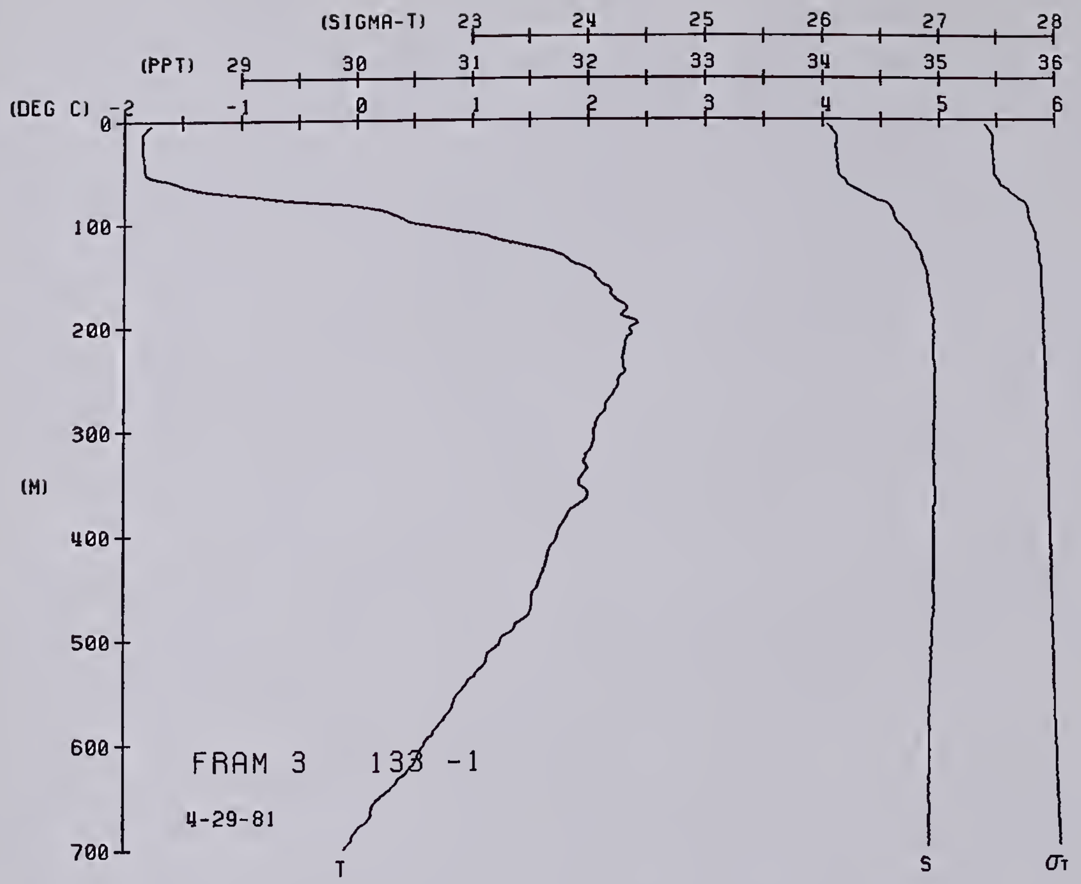
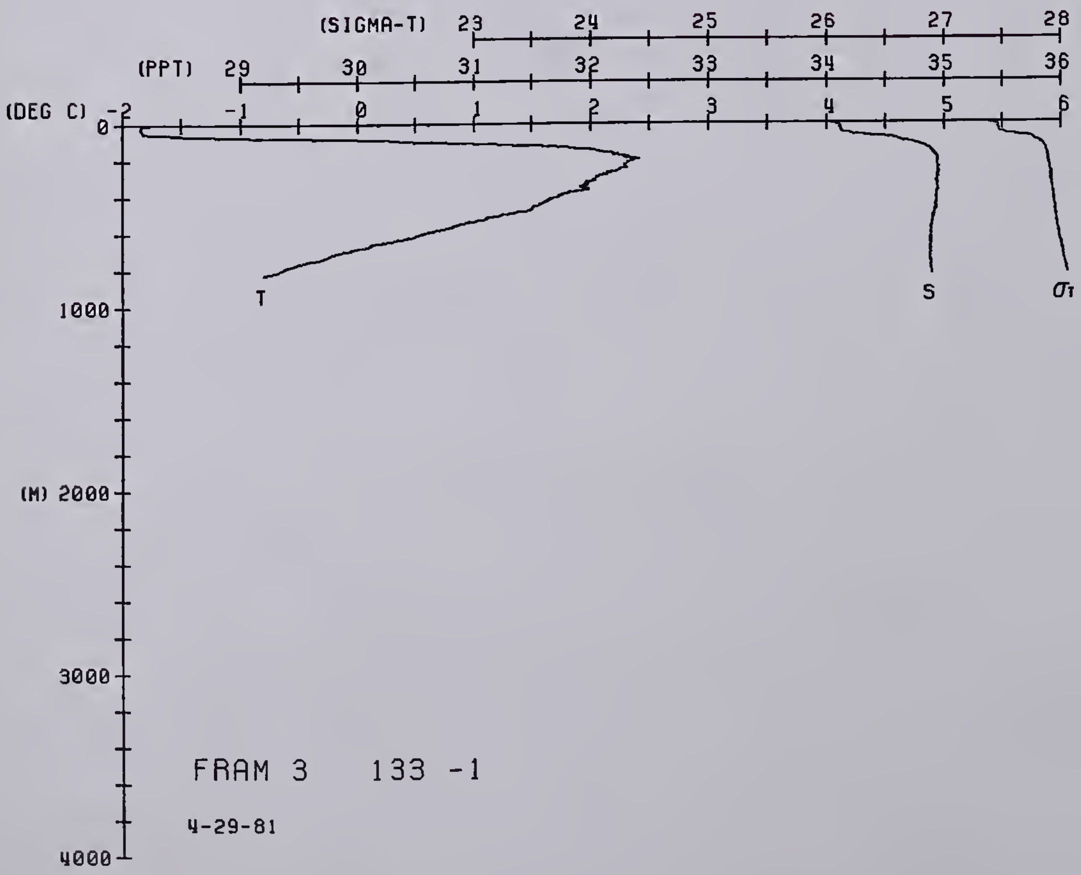

FRAM 3 133 -1

4-29-81


FRAM 3 133 -1

4-29-81

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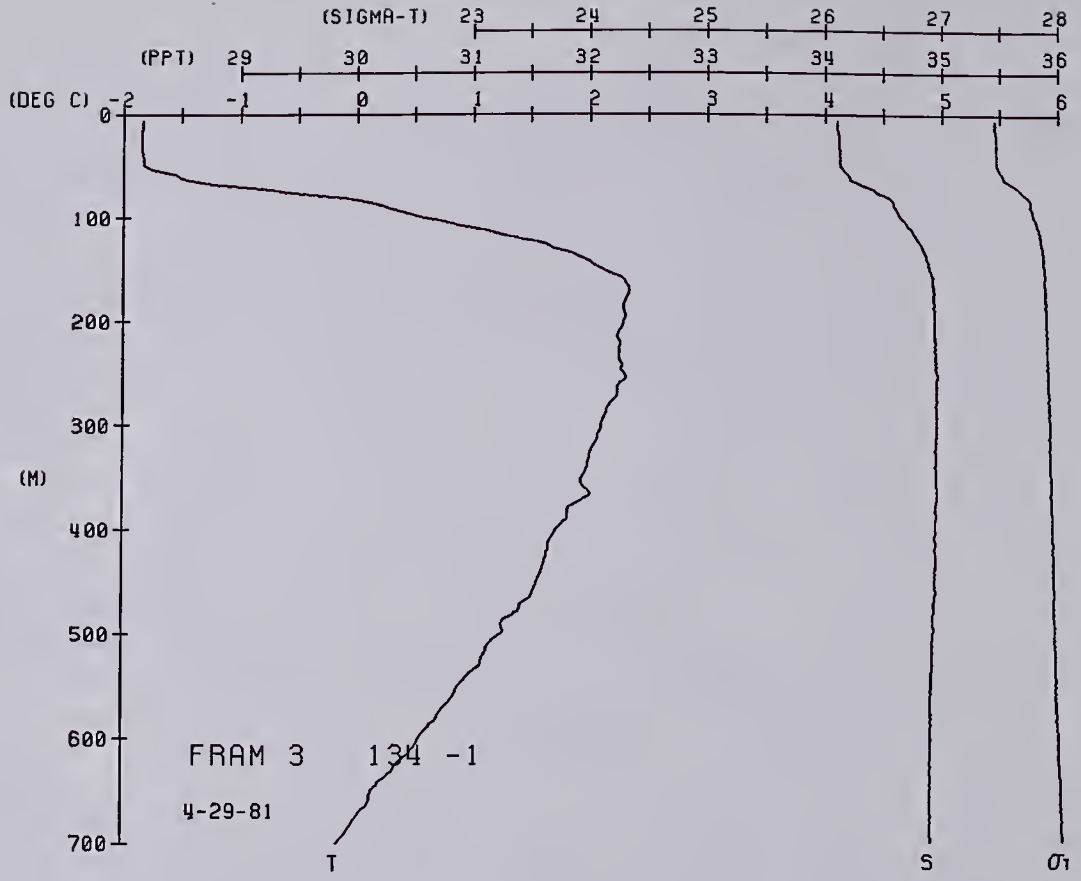
                                     LAT = 81.8942N LNG =   5.4505E LTER =    30. LGER =    30.
                                     AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND            DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.84   -1.84   34.10   27.45    62.0   0.000  1439.5            710.0   -0.22   -0.25   34.88   28.02     7.4   0.156  1459.9
    5.0   -1.84   -1.84   34.10   27.45    61.9   0.003  1439.6            740.0   -0.34   -0.37   34.88   28.03     6.4   0.158  1459.9
    5.9   -1.84   -1.84   34.10   27.45    61.9   0.004  1439.6            790.0   -0.62   -0.65   34.88   28.04     4.6   0.161  1459.5
   10.0   -1.84   -1.84   34.11   27.46    61.4   0.006  1439.7            829.4   -0.81   -0.84   34.90   28.06     2.3   0.162  1459.2
   15.0   -1.84   -1.84   34.11   27.45    61.6   0.009  1439.7
   20.0   -1.85   -1.85   34.12   27.47    60.2   0.012  1439.8
   25.0   -1.85   -1.85   34.12   27.47    60.3   0.016  1439.9
   30.0   -1.85   -1.85   34.12   27.47    60.3   0.019  1440.0
   35.0   -1.84   -1.84   34.12   27.47    60.1   0.022  1440.1
   40.0   -1.83   -1.83   34.13   27.47    59.8   0.025  1440.2
   45.0   -1.83   -1.83   34.13   27.47    59.8   0.028  1440.3
   50.0   -1.81   -1.81   34.13   27.48    59.3   0.031  1440.5
   55.0   -1.69   -1.69   34.17   27.50    57.0   0.034  1441.2
   60.0   -1.53   -1.53   34.21   27.53    54.4   0.036  1442.1
   65.0   -1.39   -1.39   34.25   27.56    51.2   0.039  1442.9
   70.0   -1.00   -1.01   34.36   27.64    44.1   0.041  1444.9
   75.0   -0.61   -0.62   34.45   27.69    39.4   0.044  1446.9
   80.0   -0.21   -0.21   34.54   27.74    34.4   0.045  1449.0
   85.0    0.11    0.11   34.58   27.76    32.6   0.047  1450.6
   90.0    0.26    0.26   34.60   27.77    32.1   0.049  1451.4
   95.0    0.41    0.41   34.63   27.78    30.8   0.050  1452.2
  100.0    0.58    0.58   34.66   27.80    29.5   0.052  1453.1
  110.0    1.00    1.00   34.73   27.83    26.8   0.055  1455.3
  120.0    1.40    1.40   34.79   27.85    24.7   0.057  1457.3
  130.0    1.72    1.71   34.84   27.86    23.6   0.060  1458.9
  140.0    1.96    1.95   34.87   27.87    22.8   0.062  1460.2
  150.0    2.11    2.10   34.89   27.88    22.4   0.064  1461.1
  160.0    2.29    2.28   34.92   27.88    22.0   0.067  1462.1
  170.0    2.33    2.32   34.93   27.89    21.7   0.069  1462.4
  180.0    2.30    2.29   34.93   27.89    21.6   0.071  1462.5
  190.0    2.29    2.28   34.93   27.89    21.2   0.073  1462.6
  200.0    2.28    2.27   34.93   27.89    21.3   0.075  1462.7
  210.0    2.24    2.23   34.93   27.90    20.9   0.077  1462.7
  220.0    2.26    2.24   34.94   27.90    20.8   0.080  1462.9
  230.0    2.24    2.23   34.94   27.90    20.6   0.082  1463.0
  240.0    2.26    2.25   34.95   27.91    20.2   0.084  1463.3
  250.0    2.29    2.28   34.95   27.91    20.1   0.086  1463.6
  260.0    2.25    2.23   34.95   27.91    20.1   0.088  1463.6
  270.0    2.23    2.21   34.95   27.91    19.7   0.090  1463.7
  280.0    2.15    2.14   34.95   27.92    19.6   0.092  1463.5
  290.0    2.12    2.10   34.95   27.92    18.9   0.094  1463.5
  300.0    2.09    2.07   34.95   27.92    18.8   0.096  1463.6
  310.0    2.06    2.04   34.95   27.92    18.9   0.098  1463.6
  320.0    2.02    2.00   34.94   27.92    19.0   0.100  1463.6
  330.0    1.99    1.97   34.94   27.93    18.7   0.101  1463.6
  340.0    1.97    1.95   34.94   27.92    19.0   0.103  1463.7
  350.0    1.92    1.91   34.94   27.93    18.4   0.105  1463.6
  360.0    1.95    1.93   34.95   27.93    18.2   0.107  1463.9
  370.0    1.96    1.94   34.95   27.93    18.2   0.109  1464.1
  380.0    1.81    1.79   34.93   27.93    18.1   0.111  1463.6
  390.0    1.80    1.78   34.94   27.94    17.7   0.113  1463.7
  400.0    1.71    1.68   34.93   27.94    17.5   0.114  1463.5
  410.0    1.65    1.62   34.93   27.95    16.9   0.116  1463.4
  420.0    1.63    1.61   34.93   27.95    17.0   0.118  1463.5
  430.0    1.61    1.59   34.93   27.95    16.9   0.120  1463.6
  440.0    1.58    1.56   34.93   27.95    16.9   0.121  1463.6
  450.0    1.54    1.52   34.93   27.95    16.7   0.123  1463.6
  460.0    1.51    1.48   34.93   27.95    16.3   0.125  1463.6
  470.0    1.43    1.40   34.92   27.95    16.5   0.126  1463.4
  480.0    1.36    1.33   34.92   27.95    16.2   0.128  1463.3
  490.0    1.24    1.21   34.91   27.96    15.8   0.130  1462.9
  500.0    1.23    1.21   34.91   27.96    15.5   0.131  1463.0
  530.0    1.05    1.03   34.91   27.97    14.6   0.136  1462.7
  560.0    0.82    0.79   34.89   27.97    14.1   0.140  1462.1
  590.0    0.60    0.57   34.89   27.98    12.6   0.144  1461.7
  620.0    0.38    0.35   34.88   27.99    11.5   0.148  1461.2
  650.0    0.12    0.10   34.88   28.00     9.8   0.151  1460.5
  680.0   -0.04   -0.07   34.88   28.01     8.5   0.154  1460.3
```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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
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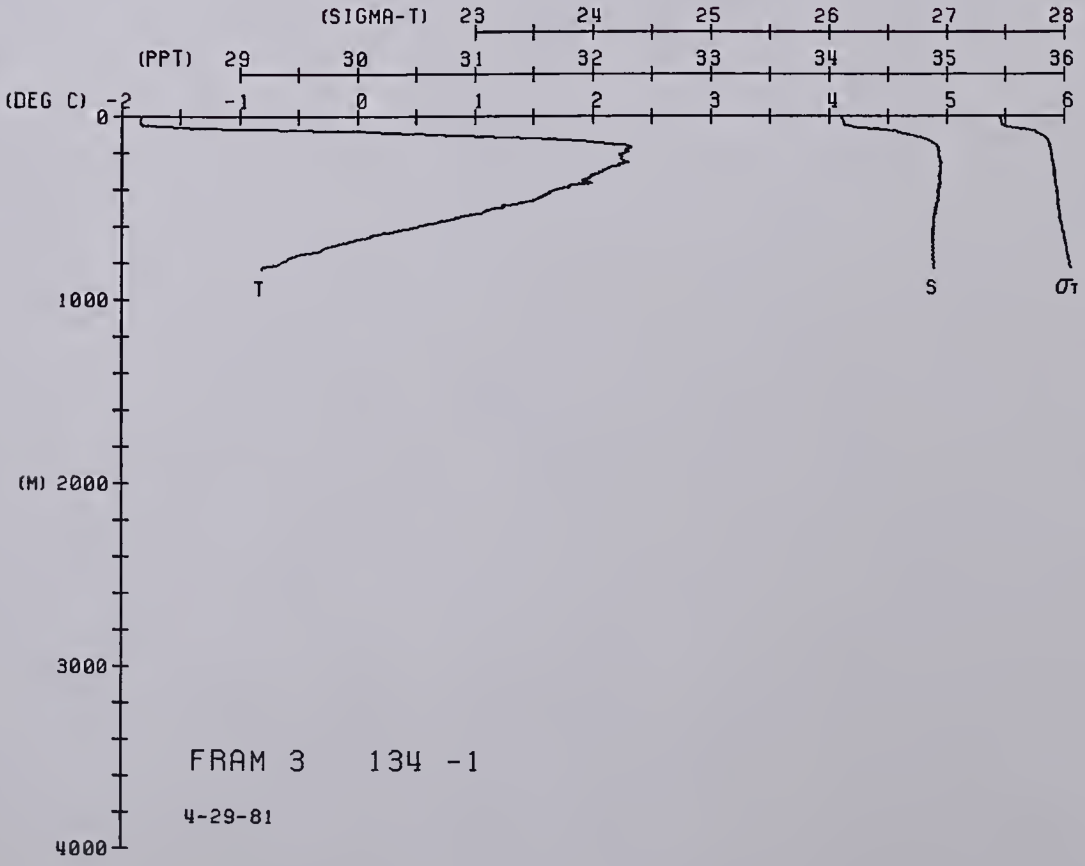
200
300
400
500
600
700
FRAM 3 134 -1
4-29-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 134 -1
4-29-81

```
 FRAM 3  STATION 135(1) CTD  29/APR/1981 1623 GMT  CODE = 5
LAT = 81.6417N LNG =   8.7900E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP  SALIN   SIG T  SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86  34.14   27.48   59.2  0.000   1439.4
   4.0   -1.86   -1.86  34.14   27.48   59.2  0.002   1439.5
   5.0   -1.86   -1.86  34.13   27.48   59.3  0.003   1439.5
  10.0   -1.86   -1.86  34.13   27.47   59.9  0.006   1439.6
  15.0   -1.86   -1.86  34.13   27.48   59.4  0.009   1439.7
  20.0   -1.87   -1.87  34.13   27.48   59.5  0.012   1439.7
  25.0   -1.87   -1.87  34.14   27.48   59.1  0.015   1439.8
  30.0   -1.87   -1.87  34.13   27.47   59.7  0.018   1439.9
  35.0   -1.86   -1.86  34.13   27.48   59.3  0.021   1440.0
  40.0   -1.86   -1.86  34.14   27.48   58.9  0.024   1440.1
  45.0   -1.86   -1.86  34.13   27.48   59.3  0.027   1440.2
  50.0   -1.87   -1.87  34.14   27.48   58.9  0.030   1440.2
  55.0   -1.86   -1.86  34.14   27.48   58.7  0.033   1440.3
  60.0   -1.83   -1.83  34.13   27.48   59.3  0.036   1440.5
  65.0   -1.78   -1.78  34.15   27.49   58.1  0.039   1440.9
  70.0   -1.59   -1.59  34.18   27.50   56.6  0.042   1441.9
  75.0   -1.33   -1.33  34.23   27.54   53.0  0.045   1443.3
  80.0   -1.12   -1.13  34.29   27.58   49.1  0.047   1444.4
  85.0   -0.98   -0.98  34.33   27.61   46.5  0.050   1445.2
  90.0   -0.76   -0.76  34.37   27.64   44.1  0.052   1446.4
  95.0   -0.55   -0.55  34.43   27.67   41.1  0.054   1447.6
 100.0   -0.34   -0.34  34.46   27.69   39.6  0.056   1448.6
 110.0    0.08    0.07  34.57   27.75   33.3  0.060   1450.9
 120.0    0.24    0.24  34.59   27.76   32.7  0.063   1451.8
 130.0    0.56    0.56  34.64   27.79   30.3  0.066   1453.5
 140.0    0.80    0.79  34.71   27.82   27.2  0.069   1454.8
 150.0    0.96    0.95  34.73   27.83   26.6  0.072   1455.8
 160.0    1.29    1.28  34.79   27.86   23.8  0.074   1457.5
 170.0    1.52    1.51  34.84   27.88   21.7  0.077   1458.7
 180.0    1.68    1.67  34.89   27.91   19.6  0.079   1459.7
 190.0    1.86    1.85  34.92   27.92   18.4  0.081   1460.7
 200.0    1.80    1.79  34.94   27.94   16.8  0.083   1460.6
 210.0    1.79    1.78  34.93   27.93   17.3  0.084   1460.7
 220.0    1.87    1.86  34.94   27.94   17.2  0.086   1461.2
 230.0    1.99    1.98  34.97   27.94   16.5  0.088   1462.0
 240.0    2.00    1.98  34.98   27.95   15.7  0.089   1462.2
 250.0    1.96    1.94  34.98   27.96   15.2  0.091   1462.2
 260.0    1.92    1.91  34.99   27.97   14.4  0.092   1462.2
 270.0    1.85    1.84  34.99   27.98   13.6  0.094   1462.1
 280.0    1.78    1.77  34.99   27.98   13.3  0.095   1461.9
 290.0    1.78    1.77  34.98   27.97   14.3  0.097   1462.1
 300.0    1.79    1.78  34.98   27.98   13.8  0.098   1462.3
 310.0    1.76    1.74  34.99   27.98   13.4  0.099   1462.3
 320.0    1.75    1.73  34.99   27.98   13.3  0.101   1462.4
 330.0    1.73    1.71  34.99   27.99   13.0  0.102   1462.5
 340.0    1.70    1.68  35.00   27.99   12.2  0.103   1462.5
 350.0    1.66    1.65  34.99   27.99   12.3  0.105   1462.6
 360.0    1.64    1.62  34.99   27.99   12.3  0.106   1462.6
 370.0    1.57    1.55  34.99   27.99   12.1  0.107   1462.5
 380.0    1.47    1.45  34.99   28.00   11.4  0.108   1462.2
 390.0    1.39    1.37  34.98   28.00   11.6  0.109   1462.0
 400.0    1.32    1.30  34.97   28.00   11.7  0.111   1461.8
 410.0    1.27    1.25  34.97   28.00   11.2  0.112   1461.8
 420.0    1.21    1.19  34.96   28.00   11.2  0.113   1461.7
 430.0    1.18    1.16  34.97   28.01   10.8  0.114   1461.7
 440.0    1.17    1.15  34.96   28.00   11.2  0.115   1461.8
 450.0    1.10    1.08  34.97   28.01   10.1  0.116   1461.7
 460.0    1.07    1.05  34.97   28.01   10.0  0.117   1461.7
 470.0    0.96    0.94  34.96   28.02    9.5  0.118   1461.4
 480.0    0.93    0.91  34.95   28.01   10.0  0.119   1461.4
 490.0    0.88    0.86  34.95   28.02    9.7  0.120   1461.4
 499.0    0.83    0.81  34.96   28.02    9.2  0.121   1461.3
```

```
 FRAM 3  STATION 136(1) CTD  29/APR/1981 1723 GMT  CODE = 5
LAT = 81.5200N LNG =   5.0783E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP  SALIN   SIG T  SPVOL   DYNHT   SOUND

   0.0  -1.90   -1.90  34.28   27.60   48.2  0.000   1439.4
   4.0  -1.90   -1.91  34.28   27.60   48.1  0.002   1439.5
   5.0  -1.90   -1.90  34.28   27.59   48.4  0.002   1439.5
  10.0  -1.90   -1.90  34.27   27.59   49.0  0.005   1439.6
  15.0  -1.90   -1.90  34.26   27.59   49.2  0.007   1439.7
  20.0  -1.89   -1.90  34.27   27.59   48.5  0.010   1439.8
  25.0  -1.90   -1.90  34.28   27.60   47.9  0.012   1439.9
  30.0  -1.90   -1.90  34.29   27.60   47.3  0.015   1439.9
  35.0  -1.90   -1.90  34.29   27.61   46.8  0.017   1440.0
  40.0  -1.90   -1.90  34.29   27.61   46.9  0.019   1440.1
  45.0  -1.90   -1.90  34.29   27.61   47.0  0.022   1440.2
  50.0  -1.89   -1.90  34.29   27.61   47.0  0.024   1440.3
  55.0  -1.89   -1.89  34.29   27.61   47.1  0.027   1440.4
  60.0  -1.87   -1.87  34.29   27.61   46.7  0.029   1440.6
  65.0  -1.80   -1.80  34.31   27.62   45.7  0.031   1441.0
  70.0  -1.45   -1.45  34.33   27.63   45.1  0.034   1442.8
  75.0  -0.96   -0.96  34.37   27.64   44.0  0.036   1445.2
  80.0  -0.75   -0.75  34.41   27.67   41.3  0.038   1446.4
  85.0  -0.50   -0.50  34.46   27.69   39.1  0.040   1447.7
  90.0  -0.24   -0.24  34.51   27.72   36.2  0.042   1449.0
  95.0  -0.03   -0.03  34.56   27.75   33.4  0.044   1450.1
 100.0   0.09    0.09  34.59   27.77   31.4  0.045   1450.8
 110.0   0.51    0.50  34.66   27.81   28.4  0.048   1453.0
 120.0   0.76    0.76  34.71   27.83   26.5  0.051   1454.3
 130.0   1.14    1.13  34.75   27.84   25.9  0.054   1456.2
 140.0   1.25    1.25  34.81   27.87   22.4  0.056   1457.0
 150.0   1.35    1.34  34.83   27.88   21.6  0.058   1457.6
 160.0   1.77    1.77  34.88   27.89   20.9  0.061   1459.8
 170.0   2.11    2.10  34.96   27.93   17.3  0.062   1461.5
 180.0   2.19    2.18  34.97   27.93   17.4  0.064   1462.0
 190.0   2.17    2.16  34.97   27.94   17.1  0.066   1462.1
 200.0   2.19    2.17  34.99   27.95   16.0  0.068   1462.4
 210.0   2.23    2.21  35.00   27.95   15.6  0.069   1462.7
 220.0   2.23    2.22  35.02   27.97   14.6  0.071   1462.9
 230.0   2.20    2.19  35.01   27.96   15.2  0.072   1463.0
 240.0   2.20    2.18  35.01   27.97   14.6  0.074   1463.1
 250.0   2.20    2.18  35.02   27.97   14.5  0.075   1463.3
 260.0   2.22    2.20  35.02   27.97   14.6  0.077   1463.6
 270.0   2.18    2.16  35.02   27.98   13.9  0.078   1463.5
 280.0   2.10    2.09  35.02   27.98   13.4  0.080   1463.4
 290.0   1.99    1.98  35.01   27.98   13.7  0.081   1463.0
 300.0   1.90    1.88  35.00   27.98   13.2  0.082   1462.8
 310.0   1.88    1.86  35.01   27.99   12.6  0.084   1462.9
 320.0   1.88    1.86  35.00   27.98   13.2  0.085   1463.0
 330.0   1.86    1.84  35.01   27.99   12.6  0.086   1463.1
 340.0   1.87    1.85  35.01   27.99   12.5  0.088   1463.3
 350.0   1.85    1.84  35.01   27.99   12.6  0.089   1463.4
 360.0   1.77    1.75  35.00   27.99   12.4  0.090   1463.2
 370.0   1.69    1.67  35.00   28.00   11.8  0.091   1463.0
 380.0   1.62    1.60  35.00   28.00   11.5  0.092   1462.9
 390.0   1.59    1.57  35.00   28.00   11.5  0.094   1462.9
 400.0   1.52    1.50  35.00   28.01   11.2  0.095   1462.8
 410.0   1.45    1.43  34.99   28.01   11.1  0.096   1462.6
 420.0   1.37    1.35  34.99   28.01   10.4  0.097   1462.4
 430.0   1.29    1.27  34.99   28.01   10.1  0.098   1462.2
 440.0   1.23    1.20  34.98   28.02    9.9  0.099   1462.1
 450.0   1.20    1.18  34.98   28.02   10.0  0.100   1462.2
 460.0   1.12    1.09  34.97   28.02    9.7  0.101   1461.9
 470.0   1.02    1.00  34.97   28.02    9.6  0.102   1461.7
 480.0   0.98    0.96  34.96   28.01    9.9  0.103   1461.6
 490.0   0.94    0.92  34.96   28.02    9.7  0.104   1461.6
 500.0   0.92    0.89  34.96   28.02    9.4  0.105   1461.7
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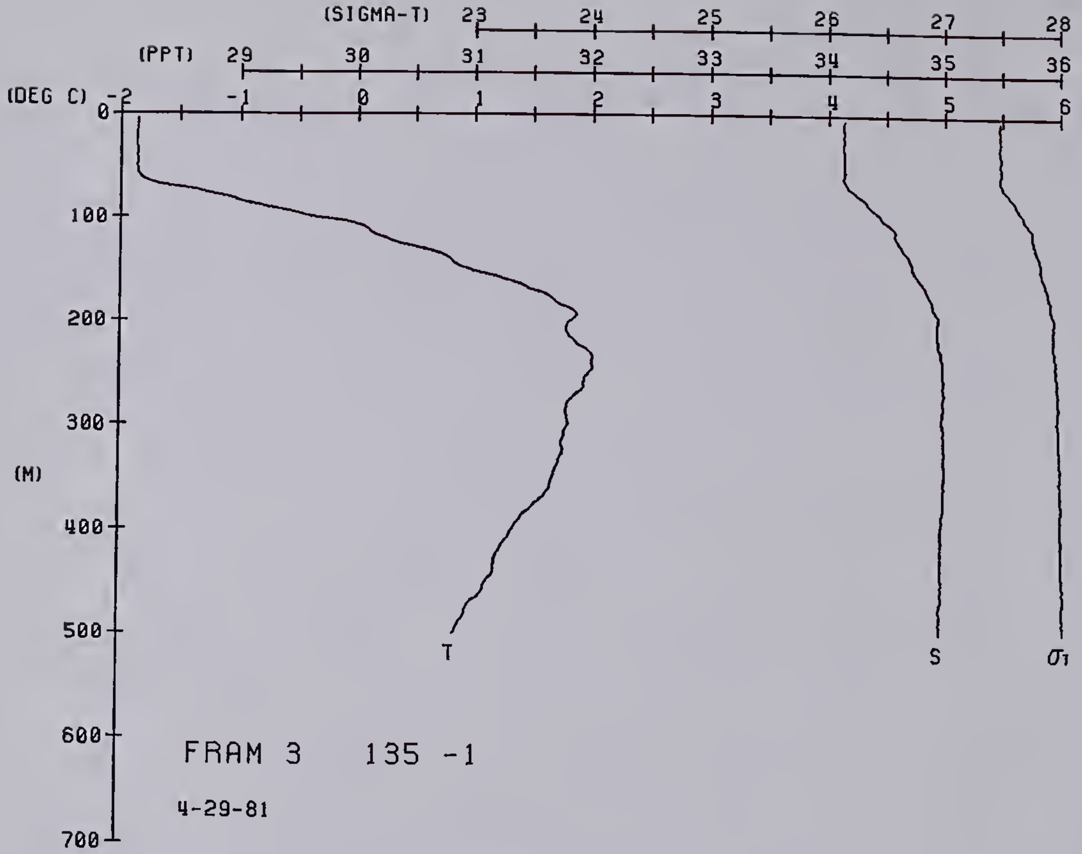

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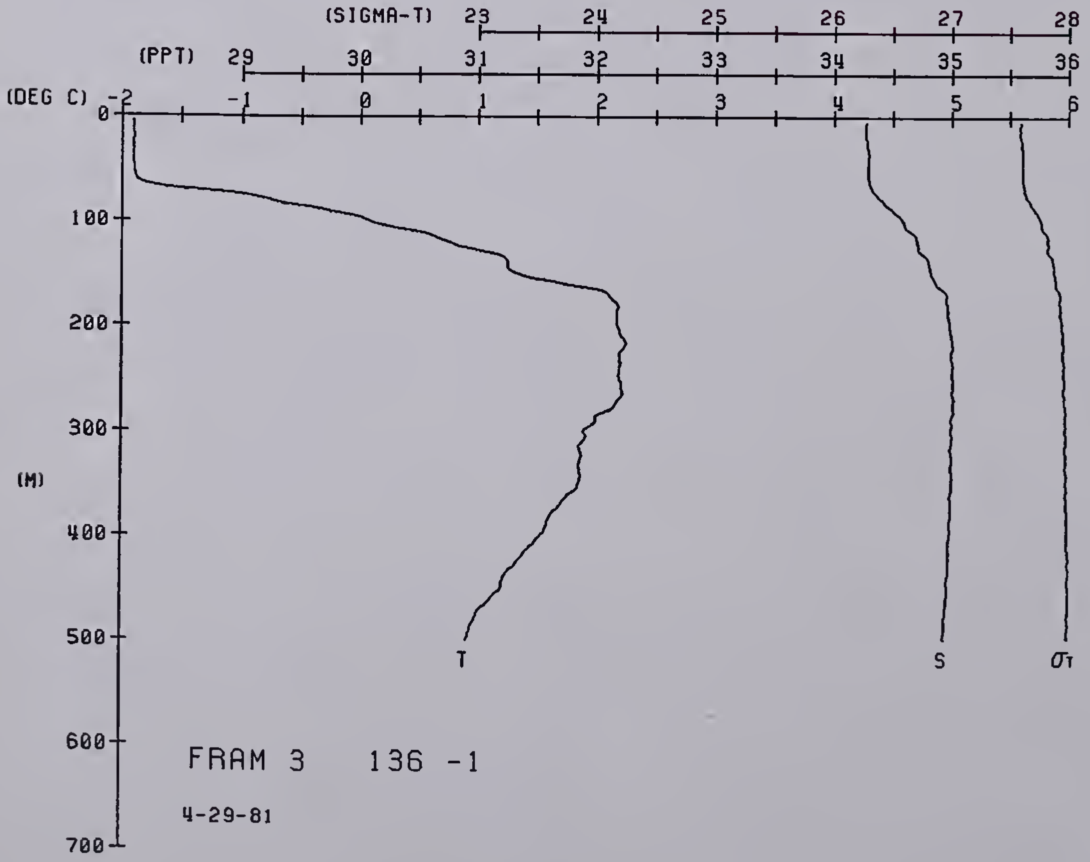

FRAM 3 136 -1

4-29-81

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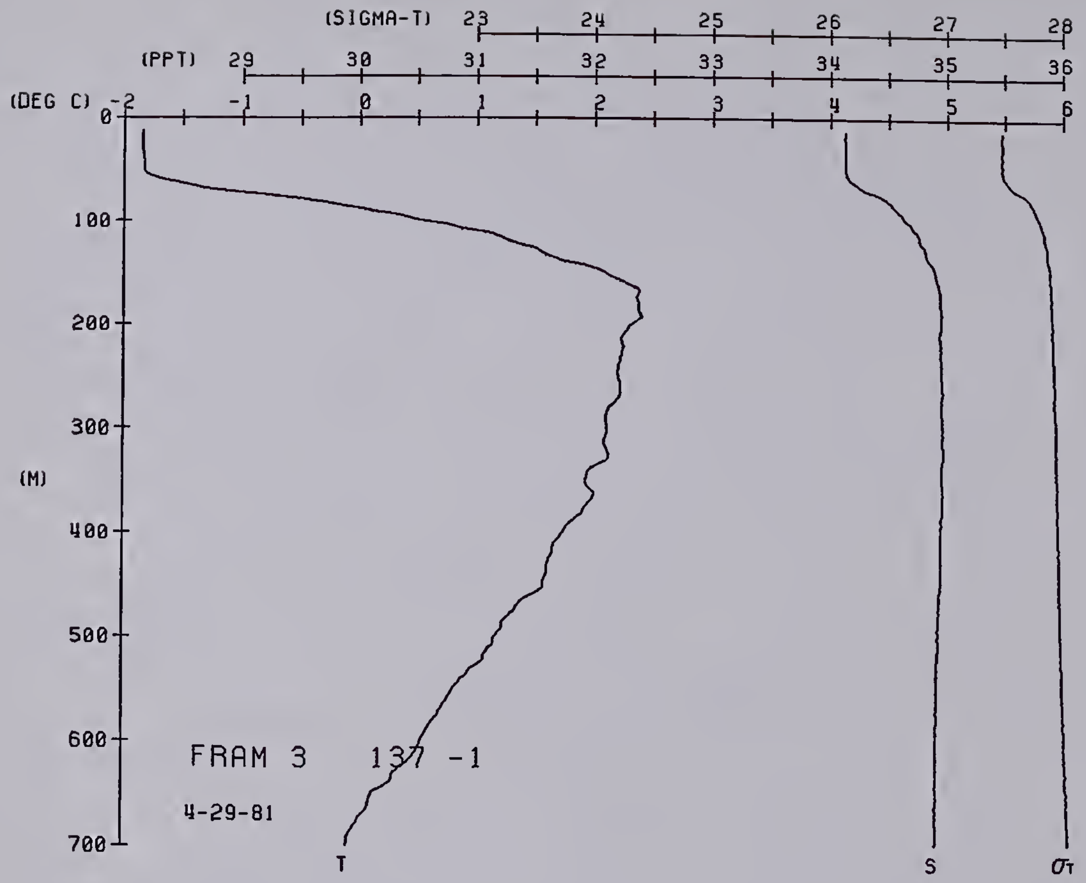
FRAM 3  STATION 137(1) CTD  29/APR/1981 1800 GMT  CODE = 5
LAT = 81.8878N LNG =   5.4333E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

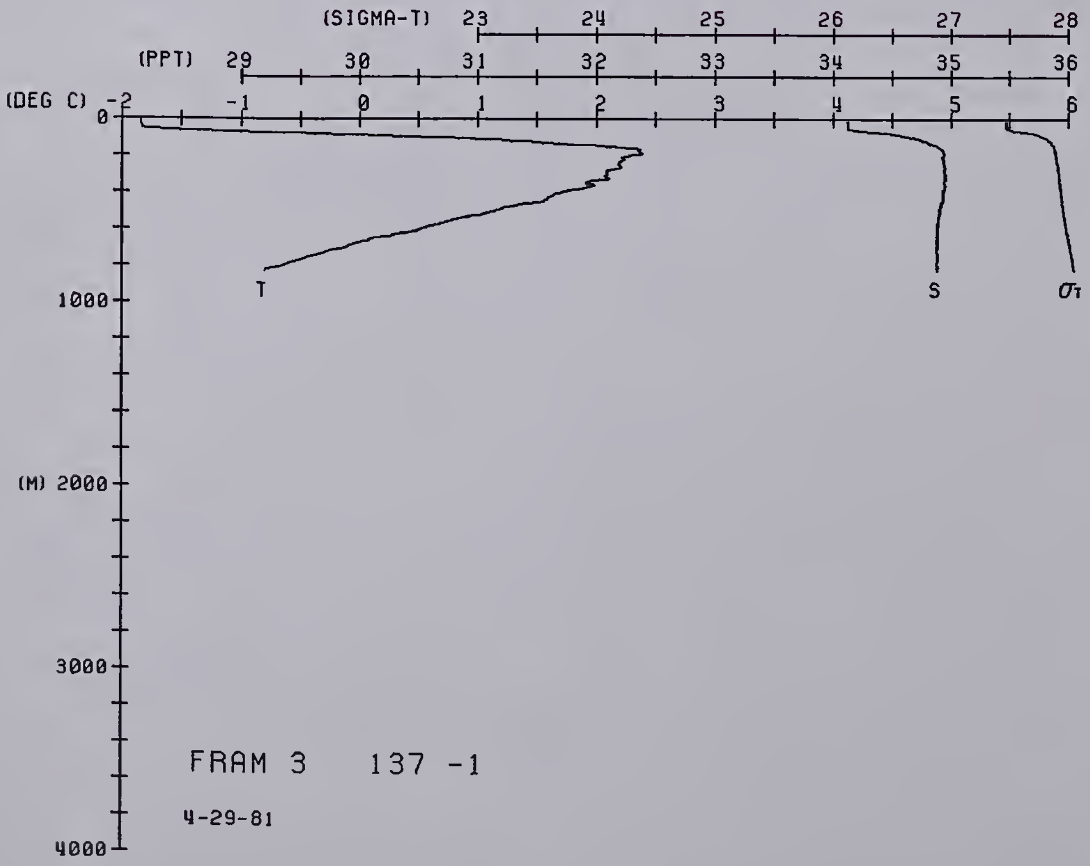
   0.0  -1.84  -1.84   34.13   27.47    60.0   0.000   1439.5
   5.0  -1.84  -1.84   34.13   27.47    59.9   0.003   1439.6
  10.0  -1.84  -1.84   34.13   27.47    59.9   0.006   1439.7
  12.9  -1.84  -1.84   34.13   27.47    59.9   0.008   1439.7
  15.0  -1.84  -1.84   34.13   27.47    59.9   0.009   1439.8
  20.0  -1.84  -1.84   34.12   27.47    60.1   0.012   1439.8
  25.0  -1.84  -1.84   34.13   27.47    59.7   0.015   1439.9
  30.0  -1.84  -1.84   34.13   27.47    59.7   0.018   1440.0
  35.0  -1.84  -1.84   34.13   27.47    59.8   0.021   1440.1
  40.0  -1.83  -1.83   34.13   27.47    59.6   0.024   1440.2
  45.0  -1.83  -1.83   34.13   27.47    59.6   0.027   1440.3
  50.0  -1.83  -1.83   34.13   27.47    59.6   0.030   1440.4
  55.0  -1.80  -1.80   34.14   27.48    58.9   0.033   1440.6
  60.0  -1.66  -1.66   34.18   27.51    56.1   0.036   1441.4
  65.0  -1.45  -1.45   34.23   27.55    52.8   0.039   1442.6
  70.0  -1.19  -1.19   34.31   27.60    47.4   0.041   1444.0
  75.0  -0.76  -0.76   34.43   27.68    40.1   0.044   1446.2
  80.0  -0.41  -0.41   34.49   27.72    36.7   0.046   1448.1
  85.0  -0.14  -0.14   34.54   27.74    34.6   0.047   1449.4
  90.0   0.12   0.12   34.59   27.77    32.3   0.049   1450.8
  95.0   0.37   0.36   34.62   27.78    30.7   0.051   1452.0
 100.0   0.58   0.58   34.67   27.80    28.8   0.052   1453.1
 110.0   1.05   1.04   34.74   27.83    26.0   0.055   1455.5
 120.0   1.31   1.30   34.77   27.84    25.7   0.058   1456.9
 130.0   1.56   1.55   34.81   27.85    24.4   0.060   1458.2
 140.0   1.83   1.82   34.86   27.87    22.7   0.062   1459.6
 150.0   2.10   2.09   34.89   27.88    22.4   0.065   1461.0
 160.0   2.28   2.27   34.92   27.88    22.2   0.067   1462.0
 170.0   2.37   2.36   34.93   27.89    21.8   0.069   1462.6
 180.0   2.37   2.36   34.94   27.89    21.5   0.071   1462.8
 190.0   2.39   2.38   34.95   27.90    21.1   0.074   1463.0
 200.0   2.30   2.29   34.94   27.90    20.9   0.076   1462.8
 210.0   2.23   2.22   34.93   27.90    21.1   0.078   1462.7
 220.0   2.24   2.23   34.94   27.90    20.7   0.080   1462.9
 230.0   2.22   2.20   34.94   27.90    20.5   0.082   1462.9
 240.0   2.20   2.18   34.94   27.91    20.0   0.084   1463.0
 250.0   2.20   2.18   34.94   27.91    19.9   0.086   1463.2
 260.0   2.21   2.20   34.95   27.92    19.5   0.088   1463.4
 270.0   2.20   2.18   34.95   27.91    19.9   0.090   1463.5
 280.0   2.11   2.10   34.94   27.92    19.5   0.092   1463.3
 290.0   2.09   2.07   34.95   27.92    19.0   0.094   1463.4
 300.0   2.10   2.08   34.95   27.93    18.7   0.096   1463.6
 310.0   2.08   2.06   34.95   27.93    18.7   0.098   1463.7
 320.0   2.10   2.08   34.96   27.93    18.6   0.100   1463.9
 330.0   2.09   2.07   34.96   27.93    18.5   0.102   1464.1
 340.0   1.94   1.92   34.94   27.93    18.5   0.103   1463.5
 350.0   1.92   1.90   34.94   27.93    18.2   0.105   1463.6
 360.0   1.98   1.96   34.95   27.94    17.9   0.107   1464.1
 370.0   1.95   1.93   34.95   27.93    18.1   0.109   1464.1
 380.0   1.89   1.87   34.95   27.94    17.6   0.111   1464.0
 390.0   1.78   1.76   34.94   27.94    17.4   0.113   1463.7
 400.0   1.72   1.70   34.93   27.94    17.6   0.114   1463.6
 410.0   1.65   1.63   34.93   27.94    17.1   0.116   1463.4
 420.0   1.63   1.61   34.93   27.94    17.1   0.118   1463.5
 430.0   1.59   1.57   34.93   27.95    16.6   0.119   1463.5
 440.0   1.58   1.56   34.93   27.95    16.6   0.121   1463.6
 450.0   1.56   1.54   34.93   27.95    16.5   0.123   1463.7
 460.0   1.45   1.42   34.92   27.95    16.5   0.125   1463.3
 470.0   1.34   1.31   34.92   27.95    16.0   0.126   1463.0
 480.0   1.25   1.23   34.91   27.96    15.7   0.128   1462.8
 490.0   1.21   1.18   34.91   27.96    15.4   0.129   1462.8
 500.0   1.14   1.12   34.91   27.96    15.2   0.131   1462.6
 530.0   0.95   0.92   34.90   27.97    14.2   0.135   1462.2
 560.0   0.75   0.72   34.89   27.98    13.3   0.140   1461.8
 590.0   0.57   0.54   34.89   27.98    12.3   0.143   1461.5
 620.0   0.40   0.37   34.89   27.99    11.3   0.147   1461.3
 650.0   0.11   0.08   34.89   28.01     9.4   0.150   1460.4
 680.0  -0.04  -0.07   34.88   28.01     8.5   0.153   1460.3

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0  -0.19  -0.22   34.88   28.02     7.8   0.155   1460.1
 740.0  -0.37  -0.40   34.88   28.03     6.3   0.158   1459.8
 790.0  -0.61  -0.64   34.88   28.04     4.9   0.160   1459.5
 827.4  -0.81  -0.84   34.89   28.06     2.9   0.162   1459.2
```


FRAM 3 137 -1

4-29-81


FRAM 3 137 -1

4-29-81

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                                        FRAM 3  STATION 138(1) CTD  29/APR/1981 1955 GMT  CODE = 5
                                        LAT = 81.8818N LNG =   5.4073E LTER =     30. LGER =     30.
                                        AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND                    DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.88   -1.88   34.06   27.42    64.9   0.000  1439.2                    710.0   -0.28   -0.31   34.88   28.02     7.1   0.157  1459.6
    4.0   -1.88   -1.88   34.06   27.42    64.9   0.003  1439.3                    740.0   -0.45   -0.48   34.89   28.04     5.5   0.159  1459.4
    5.0   -1.87   -1.87   34.06   27.42    64.9   0.003  1439.4                    790.0   -0.70   -0.73   34.88   28.05     4.2   0.161  1459.1
   10.0   -1.83   -1.83   34.08   27.44    63.2   0.007  1439.6                    816.5   -0.80   -0.83   34.88   28.05     3.2   0.162  1459.1
   15.0   -1.83   -1.83   34.10   27.45    61.9   0.010  1439.8
   20.0   -1.83   -1.83   34.10   27.45    61.9   0.013  1439.9
   25.0   -1.83   -1.83   34.11   27.46    61.2   0.016  1439.9
   30.0   -1.83   -1.83   34.12   27.47    60.0   0.019  1440.0
   35.0   -1.83   -1.83   34.13   27.47    59.7   0.022  1440.1
   40.0   -1.83   -1.83   34.13   27.47    59.8   0.025  1440.2
   45.0   -1.83   -1.83   34.13   27.47    59.8   0.028  1440.3
   50.0   -1.82   -1.82   34.13   27.47    59.6   0.031  1440.4
   55.0   -1.82   -1.82   34.13   27.47    59.5   0.034  1440.5
   60.0   -1.79   -1.79   34.14   27.48    59.1   0.037  1440.8
   65.0   -1.66   -1.66   34.17   27.50    56.6   0.040  1441.5
   70.0   -1.36   -1.36   34.25   27.56    51.2   0.043  1443.1
   75.0   -1.08   -1.09   34.33   27.62    46.1   0.045  1444.6
   80.0   -0.73   -0.73   34.41   27.67    41.2   0.047  1446.4
   85.0   -0.34   -0.34   34.49   27.72    36.9   0.049  1448.4
   90.0   -0.04   -0.04   34.55   27.75    33.7   0.051  1450.0
   95.0    0.26    0.25   34.61   27.77    31.5   0.053  1451.5
  100.0    0.43    0.42   34.63   27.78    30.6   0.054  1452.4
  110.0    0.92    0.91   34.71   27.82    27.3   0.057  1454.9
  120.0    1.39    1.39   34.79   27.85    24.9   0.060  1457.3
  130.0    1.77    1.76   34.85   27.87    23.3   0.062  1459.2
  140.0    1.96    1.95   34.87   27.87    22.8   0.065  1460.2
  150.0    2.10    2.10   34.89   27.88    22.5   0.067  1461.0
  160.0    2.31    2.30   34.93   27.89    21.7   0.069  1462.2
  170.0    2.36    2.35   34.93   27.89    21.7   0.071  1462.5
  180.0    2.36    2.35   34.94   27.89    21.3   0.074  1462.7
  190.0    2.38    2.36   34.95   27.90    21.0   0.076  1463.0
  200.0    2.34    2.33   34.94   27.89    21.4   0.078  1463.0
  210.0    2.22    2.21   34.94   27.90    20.3   0.080  1462.6
  220.0    2.24    2.23   34.94   27.91    20.2   0.082  1462.9
  230.0    2.24    2.23   34.95   27.91    19.9   0.084  1463.1
  240.0    2.21    2.19   34.95   27.91    19.7   0.086  1463.1
  250.0    2.21    2.20   34.95   27.91    19.6   0.088  1463.3
  260.0    2.22    2.21   34.95   27.91    19.7   0.090  1463.5
  270.0    2.20    2.19   34.95   27.92    19.3   0.092  1463.6
  280.0    2.17    2.15   34.95   27.92    19.4   0.094  1463.6
  290.0    2.09    2.07   34.95   27.92    18.8   0.096  1463.4
  300.0    2.13    2.11   34.96   27.93    18.5   0.098  1463.7
  310.0    2.07    2.05   34.96   27.93    18.1   0.100  1463.7
  320.0    2.05    2.03   34.95   27.93    18.3   0.102  1463.7
  330.0    2.03    2.01   34.96   27.94    17.9   0.103  1463.8
  340.0    2.00    1.98   34.95   27.94    17.9   0.105  1463.8
  350.0    1.96    1.94   34.96   27.94    17.4   0.107  1463.8
  360.0    1.91    1.89   34.95   27.94    17.5   0.109  1463.8
  370.0    1.85    1.83   34.95   27.94    17.5   0.110  1463.7
  380.0    1.81    1.79   34.94   27.94    17.4   0.112  1463.6
  390.0    1.73    1.71   34.94   27.94    17.4   0.114  1463.4
  400.0    1.70    1.67   34.94   27.94    17.1   0.116  1463.5
  410.0    1.64    1.61   34.93   27.95    16.7   0.117  1463.4
  420.0    1.62    1.60   34.93   27.95    16.6   0.119  1463.5
  430.0    1.59    1.57   34.93   27.95    16.4   0.121  1463.5
  440.0    1.58    1.55   34.94   27.95    16.3   0.122  1463.6
  450.0    1.54    1.52   34.93   27.95    16.2   0.124  1463.6
  460.0    1.42    1.39   34.92   27.95    16.0   0.126  1463.2
  470.0    1.41    1.38   34.93   27.96    15.5   0.127  1463.3
  480.0    1.36    1.34   34.92   27.96    15.7   0.129  1463.3
  490.0    1.31    1.29   34.92   27.96    15.7   0.131  1463.2
  500.0    1.21    1.18   34.91   27.96    15.6   0.132  1462.9
  530.0    1.02    0.99   34.90   27.97    14.5   0.137  1462.6
  560.0    0.78    0.75   34.89   27.98    13.4   0.141  1462.0
  590.0    0.59    0.57   34.89   27.99    12.3   0.145  1461.6
  620.0    0.43    0.40   34.89   27.99    11.5   0.148  1461.4
  650.0    0.17    0.15   34.88   28.00     9.9   0.152  1460.7
  680.0   -0.13   -0.16   34.88   28.02     8.1   0.154  1459.8
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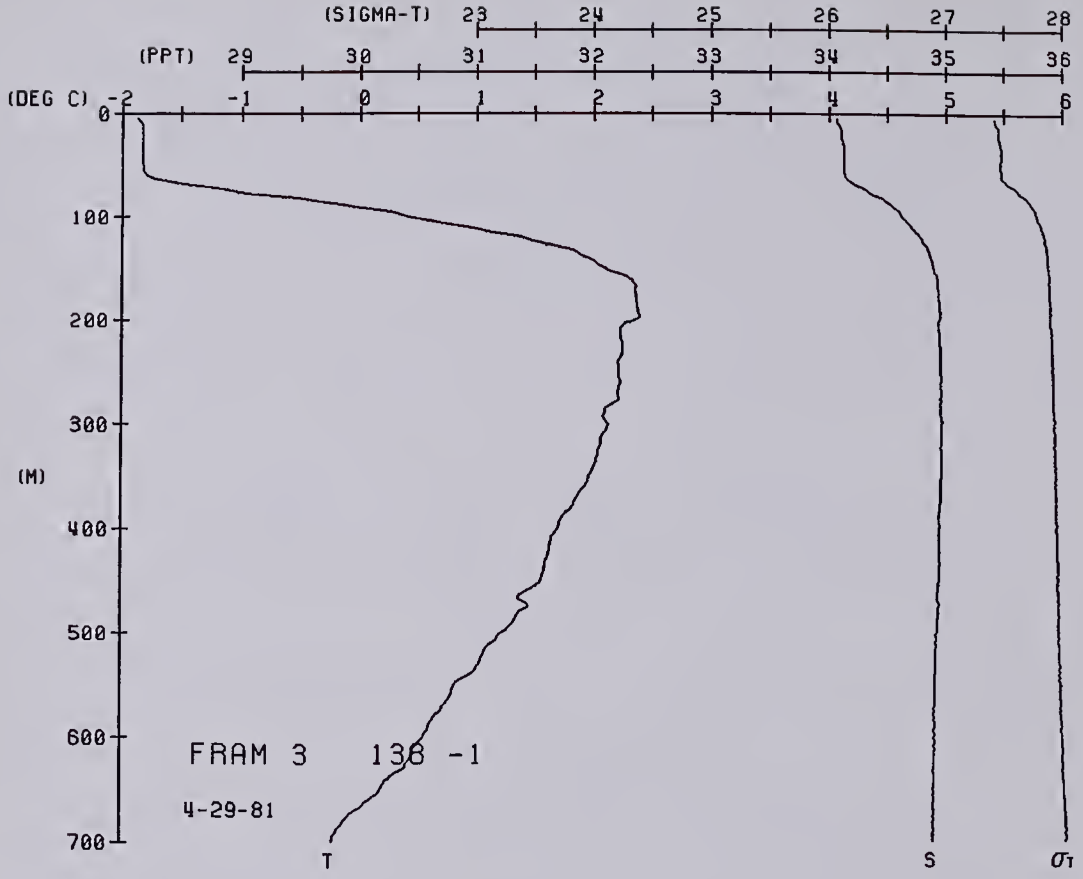
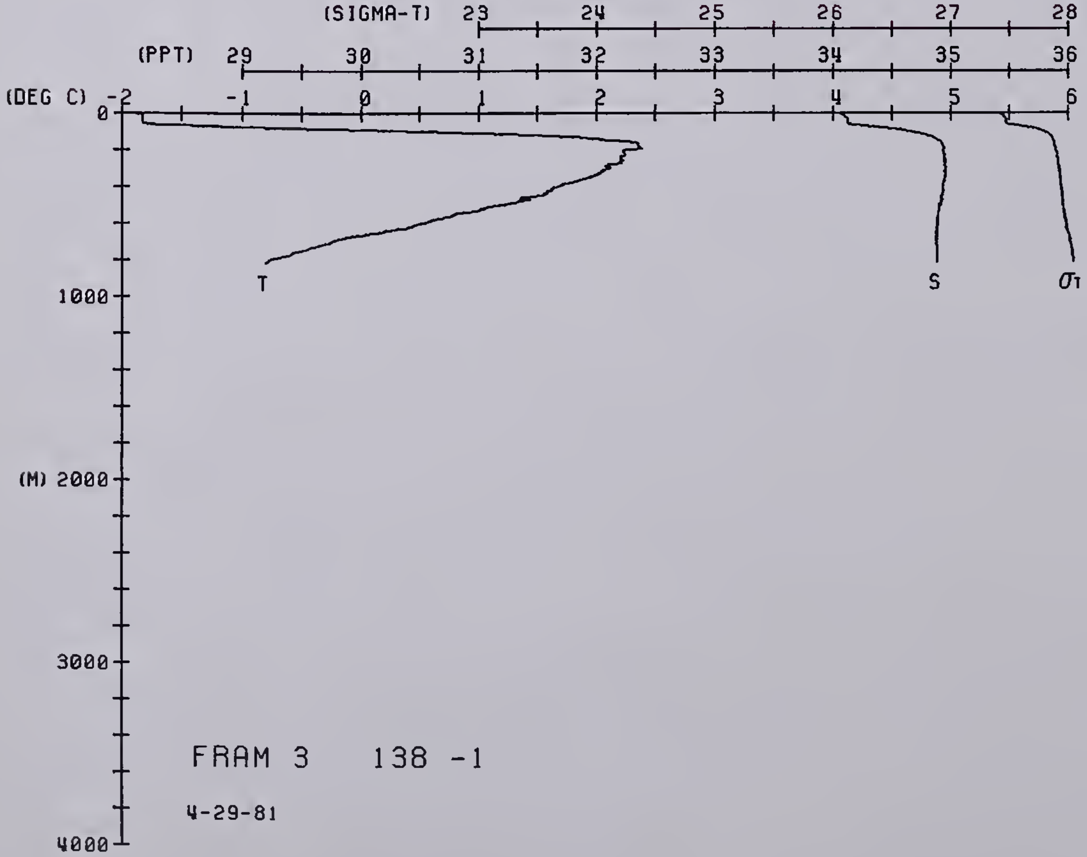


FRAM 3 138 -1

4-29-81



FRAM 3 138 -1

4-29-81

```
 FRAM 3  STATION 139(1) CTD  29/APR/1981 2050 GMT  CODE = 5
LAT = 81.8802N LNG =   5.3968E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.76   -1.76   33.98   27.35    71.5   0.000   1439.7
   4.0   -1.76   -1.76   33.98   27.35    71.5   0.003   1439.7
   5.0   -1.77   -1.77   33.99   27.36    70.8   0.004   1439.7
  10.0   -1.81   -1.81   34.06   27.41    65.5   0.007   1439.7
  15.0   -1.84   -1.84   34.11   27.46    61.1   0.010   1439.8
  20.0   -1.84   -1.84   34.12   27.47    60.4   0.013   1439.8
  25.0   -1.84   -1.84   34.13   27.47    60.0   0.016   1439.9
  30.0   -1.84   -1.84   34.13   27.47    59.7   0.019   1440.0
  35.0   -1.83   -1.83   34.13   27.47    59.7   0.022   1440.1
  40.0   -1.83   -1.83   34.13   27.47    59.9   0.025   1440.2
  45.0   -1.83   -1.83   34.13   27.47    59.5   0.028   1440.3
  50.0   -1.82   -1.82   34.13   27.47    59.8   0.031   1440.4
  55.0   -1,80   -1.80   34.14   27.48    59.0   0.034   1440.6
  60.0   -1.69   -1.69   34.16   27.50    57.5   0.037   1441.3
  65.0   -1.45   -1.45   34.23   27.55    52.7   0.040   1442.6
  70.0   -1.17   -1.18   34.30   27.60    48.0   0.043   1444.1
  75.0   -0.93   -0.93   34.37   27.64    43.7   0.045   1445.4
  80.0   -0.53   -0.53   34.46   27.70    38.6   0.047   1447.4
  85.0   -0.16   -0.16   34.53   27.74    34.8   0.049   1449.3
  90.0    0.16    0.16   34.58   27.76    32.7   0.051   1451.0
  95.0    0.32    0.32   34.60   27.77    32.0   0.052   1451.8
 100.0    0.42    0.41   34.62   27.78    31.4   0.054   1452.3
 110.0    0.91    0.90   34.71   27.82    27.8   0.057   1454.8
 120.0    1.33    1.32   34.78   27.85    24.7   0.060   1457.0
 122.6    1.54    1.54   34.81   27.85    24.4   0.060   1458.0
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```
 FRAM 3  STATION 140(1) CTD  30/APR/1981  927 GMT  CODE = 5
LAT = 81.8727N LNG =   5.3568E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.80   -1.80   33.98   27.35    71.5   0,000   1439.5
   4.0   -1.80   -1.80   33.98   27.35    71.4   0.003   1439.6
   5.0   -1.81   -1.81   34.00   27.37    69.8   0.004   1439.6
  10.0   -1.84   -1.84   34.05   27.41    65.7   0.007   1439.6
  15.0   -1.84   -1.84   34.08   27.43    63.7   0.010   1439.7
  20.0   -1.84   -1.84   34.10   27.45    62.0   0.013   1439.8
  25.0   -1.84   -1.84   34.11   27.46    61.0   0.017   1439.9
  30.0   -1.84   -1.84   34.12   27.47    60.1   0.020   1440.0
  35.0   -1.83   -1.83   34.12   27.46    60.6   0.023   1440.1
  40.0   -1.83   -1.83   34.12   27.46    60.6   0.026   1440.2
  45.0   -1.83   -1.83   34.12   27.47    60.1   0.029   1440.3
  50.0   -1.83   -1.83   34.13   27.48    59.3   0.032   1440.4
  55.0   -1.80   -1.80   34.14   27.48    59.1   0.035   1440.6
  60.0   -1.75   -1.75   34.15   27.49    58.2   0.038   1441.0
  65.0   -1.63   -1.64   34.17   27.50    56.6   0.041   1441.6
  70.0   -1.34   -1.34   34.27   27.58    49.9   0.043   1443.2
  75.0   -0.91   -0.91   34.38   27.65    43.2   0.046   1445.5
  80.0   -0.63   -0.63   34.44   27.68    39.9   0.048   1446.9
  85.0   -0.36   -0.36   34.49   27.71    37.0   0.050   1448.4
  90.0   -0.04   -0.04   34.56   27.75    33.3   0.052   1450.0
  95.0    0.26    0.25   34.62   27.78    30.6   0.053   1451.5
 100.0    0.63    0.63   34.68   27.81    28.3   0.055   1453.4
 110.0    1.14    1.13   34.75   27.84    25.8   0.057   1455.9
 120.0    1.44    1.44   34.80   27.86    24.1   0.060   1457.5
 130.0    1.86    1.85   34.87   27.88    22.3   0.062   1459.6
 140.0    1.99    1.99   34.89   27.88    21.9   0.064   1460.4
 150.0    2.06    2.05   34.89   27.88    22.0   0.067   1460.8
 160.0    2.12    2.11   34.91   27.89    21.3   0.069   1461.3
 170.0    2.20    2.19   34.93   27.90    20.9   0.071   1461.9
 180.0    2.20    2.19   34.93   27.90    20.7   0.073   1462.0
 190.0    2.17    2.16   34.93   27.90    20.4   0.075   1462.1
 200.0    2.17    2.16   34.94   27.91    19.9   0.077   1462.2
 210.0    2.21    2.20   34.94   27.91    20.0   0.079   1462.6
 220.0    2.17    2.16   34.94   27.91    20.0   0.081   1462.6
 230.0    2.24    2.23   34.95   27.92    19.4   0.083   1463.1
 240.0    2.26    2.25   34.96   27.92    19.1   0.085   1463.3
 250.0    2.24    2.23   34.96   27.92    19.1   0.087   1463.4
 260.0    2.19    2.18   34.96   27.92    19.1   0.089   1463.3
 270.0    2.18    2.16   34.96   27.93    18.5   0.091   1463.4
 280.0    2.18    2.16   34.96   27.93    18.4   0.093   1463.6
 290.0    2.18    2.17   34.96   27.93    18.6   0.095   1463.8
 300.0    2.15    2.13   34.96   27.93    18.3   0.097   1463.8
 310.0    2.08    2.07   34.96   27.93    18.3   0.098   1463.7
 320.0    2.00    1.99   34.96   27.94    17.3   0.100   1463.5
 330.0    2.03    2.01   34.96   27.94    17.5   0.102   1463.8
 340.0    2.03    2.01   34.96   27.94    17.7   0.104   1464.0
 350.0    2.00    1.98   34.96   27.94    17.3   0.106   1464.0
 360.0    1.84    1.82   34.95   27.94    17.3   0.107   1463.4
 370.0    1.82    1.80   34.95   27.95    16.9   0.109   1463.5
 380.0    1.82    1.80   34.95   27.95    16.9   0.111   1463.7
 390.0    1.80    1.78   34.95   27.95    16.9   0.112   1463.8
 400.0    1.77    1.75   34.95   27.95    16.7   0.114   1463.8
 410.0    1.73    1.70   34.95   27.95    16.5   0.116   1463.8
 420.0    1.73    1.71   34.95   27.95    16.5   0.118   1464.0
 430.0    1.71    1.68   34.94   27.95    16.7   0.119   1464.0
 440.0    1.70    1.67   34.95   27.96    16.1   0.121   1464.1
 450.0    1.67    1.64   34.95   27.95    16.3   0.123   1464.2
 460.0    1.63    1.60   34.94   27.96    16.1   0.124   1464.2
 470.0    1.57    1.55   34.94   27.95    16.2   0.126   1464.1
 480.0    1.46    1.43   34.93   27.96    15.7   0.127   1463.7
 490.0    1.39    1.36   34.93   27.96    15.3   0.129   1463.6
 492.1    1.38    1.35   34.93   27.96    15.3   0.129   1463.6
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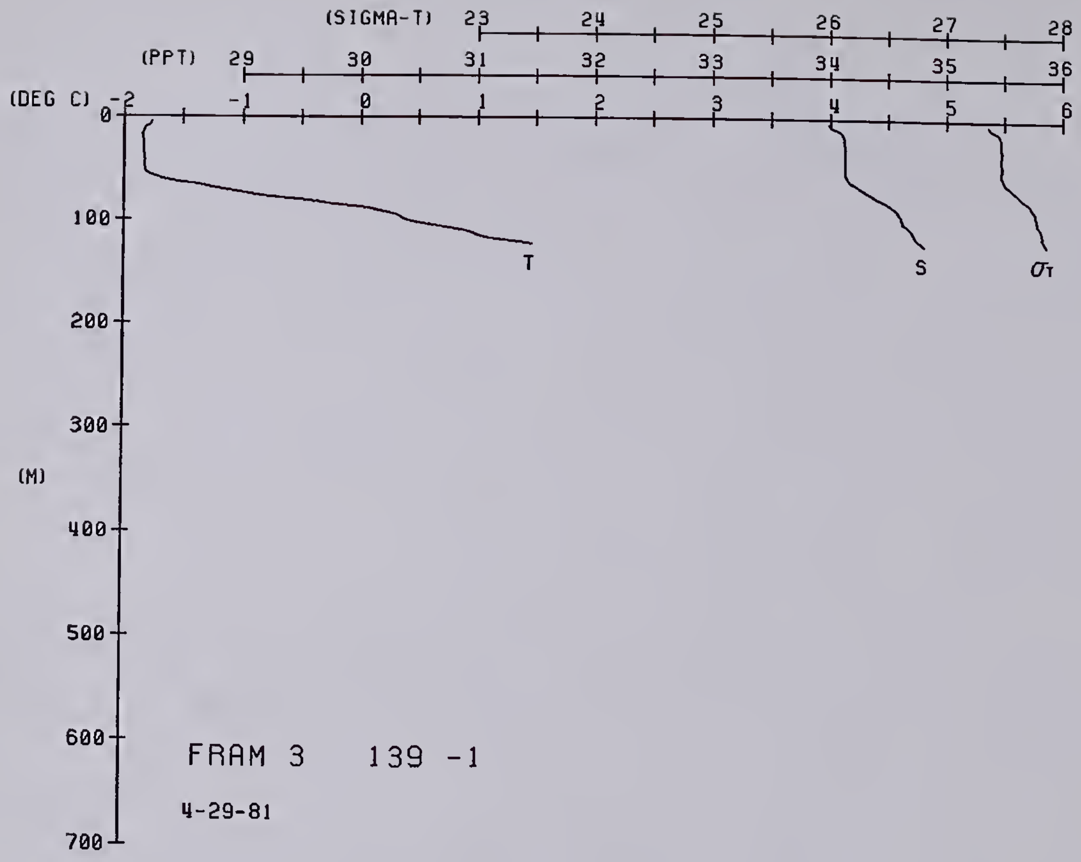
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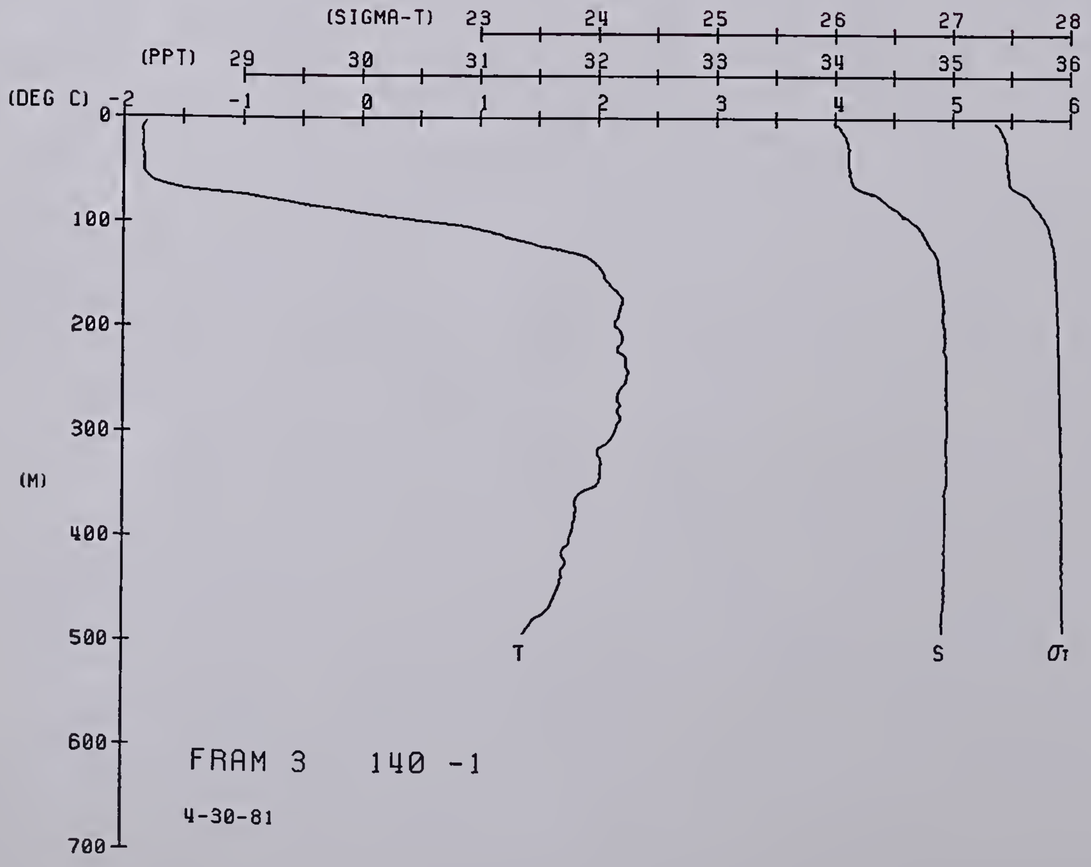
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 139 -1
4-29-81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100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 140 -1
4-30-81

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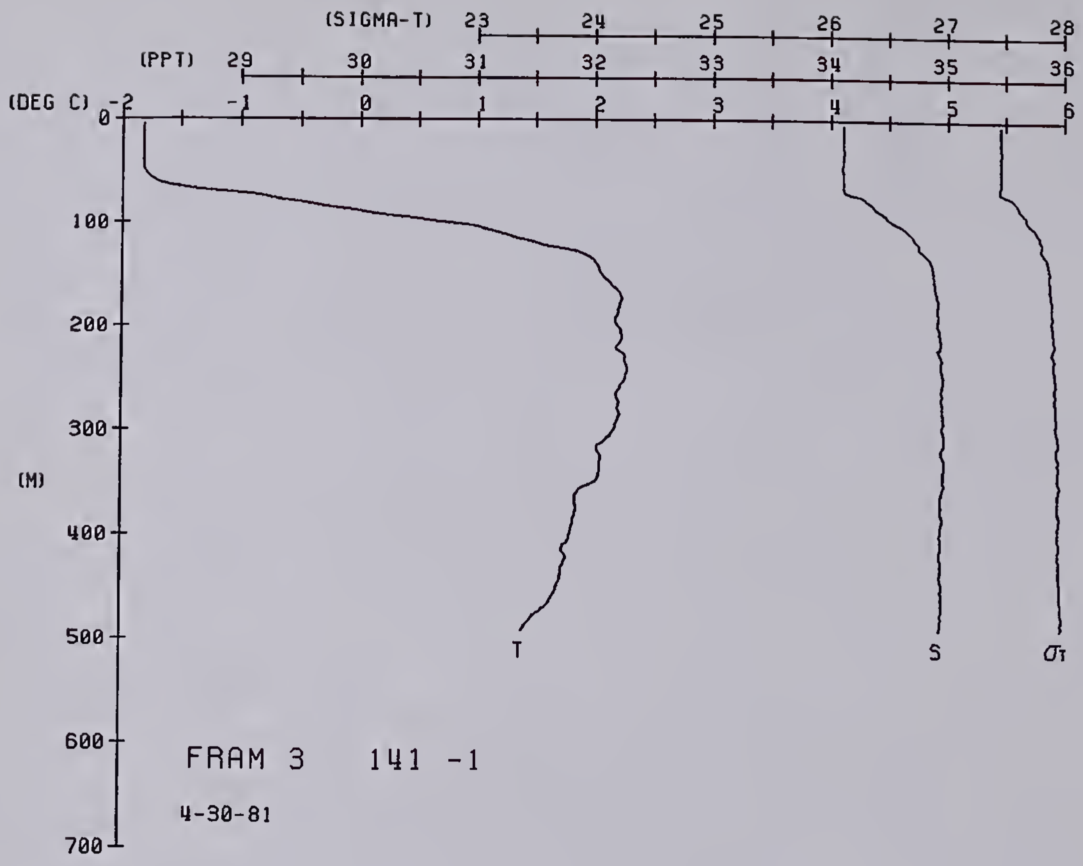
LAT = 81.8727N LNG =    5.3568E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   34.10   27.45    61.8   0.000  1439.6
   4.0   -1.82   -1.82   34.10   27.45    61.8   0.002  1439.7
   5.0   -1.82   -1.82   34.11   27.45    61.7   0.003  1439.7
  10.0   -1.82   -1.82   34.10   27.45    61.7   0.006  1439.7
  15.0   -1.82   -1.82   34.10   27.45    61.8   0.009  1439.8
  20.0   -1.82   -1.82   34.10   27.45    61.7   0.013  1439.9
  25.0   -1.82   -1.82   34.10   27.45    61.8   0.016  1440.0
  30.0   -1.82   -1.82   34.11   27.46    60.9   0.019  1440.1
  35.0   -1.82   -1.82   34.11   27.46    61.4   0.022  1440.2
  40.0   -1.82   -1.82   34.10   27.45    61.7   0.025  1440.3
  45.0   -1.82   -1.82   34.10   27.45    61.9   0.028  1440.3
  50.0   -1.80   -1.80   34.10   27.45    61.5   0.031  1440.5
  55.0   -1.77   -1.77   34.10   27.45    61.5   0.034  1440.7
  60.0   -1.71   -1.71   34.10   27.45    61.7   0.037  1441.1
  65.0   -1.56   -1.56   34.10   27.45    62.1   0.041  1441.9
  70.0   -1.18   -1.18   34.13   27.45    61.6   0.044  1443.8
  75.0   -0.80   -0.80   34.26   27.55    52.7   0.047  1445.8
  80.0   -0.53   -0.53   34.33   27.59    48.8   0.049  1447.2
  85.0   -0.24   -0.25   34.37   27.61    46.7   0.051  1448.7
  90.0    0.07    0.07   34.44   27.65    42.9   0.054  1450.4
  95.0    0.39    0.38   34.49   27.67    41.4   0.056  1451.9
 100.0    0.77    0.77   34.55   27.70    38.5   0.058  1453.8
 110.0    1.21    1.20   34.68   27.78    31.7   0.061  1456.1
 120.0    1.52    1.51   34.74   27.80    29.1   0.065  1457.8
 130.0    1.91    1.90   34.82   27.83    26.7   0.067  1459.8
 140.0    2.02    2.01   34.86   27.86    24.1   0.070  1460.5
 150.0    2.06    2.05   34.88   27.87    23.4   0.072  1460.8
 160.0    2.15    2.14   34.89   27.87    23.2   0.075  1461.4
 170.0    2.22    2.21   34.91   27.88    22.3   0.077  1461.9
 180.0    2.20    2.19   34.91   27.89    21.8   0.079  1462.0
 190.0    2.18    2.17   34.92   27.89    21.4   0.081  1462.1
 200.0    2.21    2.19   34.92   27.89    21.4   0.084  1462.4
 210.0    2.22    2.21   34.94   27.90    20.5   0.086  1462.6
 220.0    2.18    2.17   34.93   27.90    20.7   0.088  1462.6
 230.0    2.26    2.24   34.95   27.91    20.0   0.090  1463.1
 240.0    2.28    2.26   34.94   27.90    20.5   0.092  1463.4
 250.0    2.26    2.24   34.96   27.91    19.6   0.094  1463.5
 260.0    2.20    2.19   34.94   27.91    20.0   0.096  1463.4
 270.0    2.20    2.18   34.94   27.91    20.0   0.098  1463.5
 280.0    2.20    2.18   34.95   27.92    19.6   0.100  1463.7
 290.0    2.19    2.17   34.96   27.92    18.9   0.102  1463.8
 300.0    2.15    2.14   34.96   27.92    18.9   0.104  1463.8
 310.0    2.07    2.05   34.97   27.94    17.3   0.106  1463.7
 320.0    2.03    2.01   34.94   27.92    19.0   0.107  1463.6
 330.0    2.05    2.03   34.96   27.94    17.6   0.109  1463.9
 340.0    2.04    2.02   34.96   27.93    18.2   0.111  1464.0
 350.0    1.98    1.96   34.96   27.94    17.4   0.113  1463.9
 360.0    1.84    1.82   34.94   27.94    17.6   0.115  1463.5
 370.0    1.84    1.82   34.94   27.93    18.2   0.117  1463.6
 380.0    1.83    1.81   34.94   27.94    17.6   0.118  1463.7
 390.0    1.81    1.79   34.94   27.94    17.7   0.120  1463.8
 400.0    1.79    1.76   34.93   27.93    18.3   0.122  1463.9
 410.0    1.74    1.71   34.93   27.94    17.6   0.124  1463.8
 420.0    1.75    1.73   34.92   27.93    18.5   0.126  1464.0
 430.0    1.72    1.70   34.93   27.94    17.8   0.127  1464.1
 440.0    1.71    1.69   34.93   27.94    17.9   0.129  1464.2
 450.0    1.68    1.65   34.94   27.95    16.6   0.131  1464.2
 460.0    1.64    1.61   34.94   27.95    16.5   0.133  1464.2
 470.0    1.57    1.54   34.94   27.96    15.8   0.134  1464.1
 480.0    1.46    1.44   34.94   27.96    15.4   0.136  1463.8
 490.0    1.40    1.37   34.93   27.96    15.7   0.137  1463.6
 491.1    1.39    1.36   34.92   27.96    16.0   0.138  1463.6
```



FRAM 3 141 -1

4-30-81

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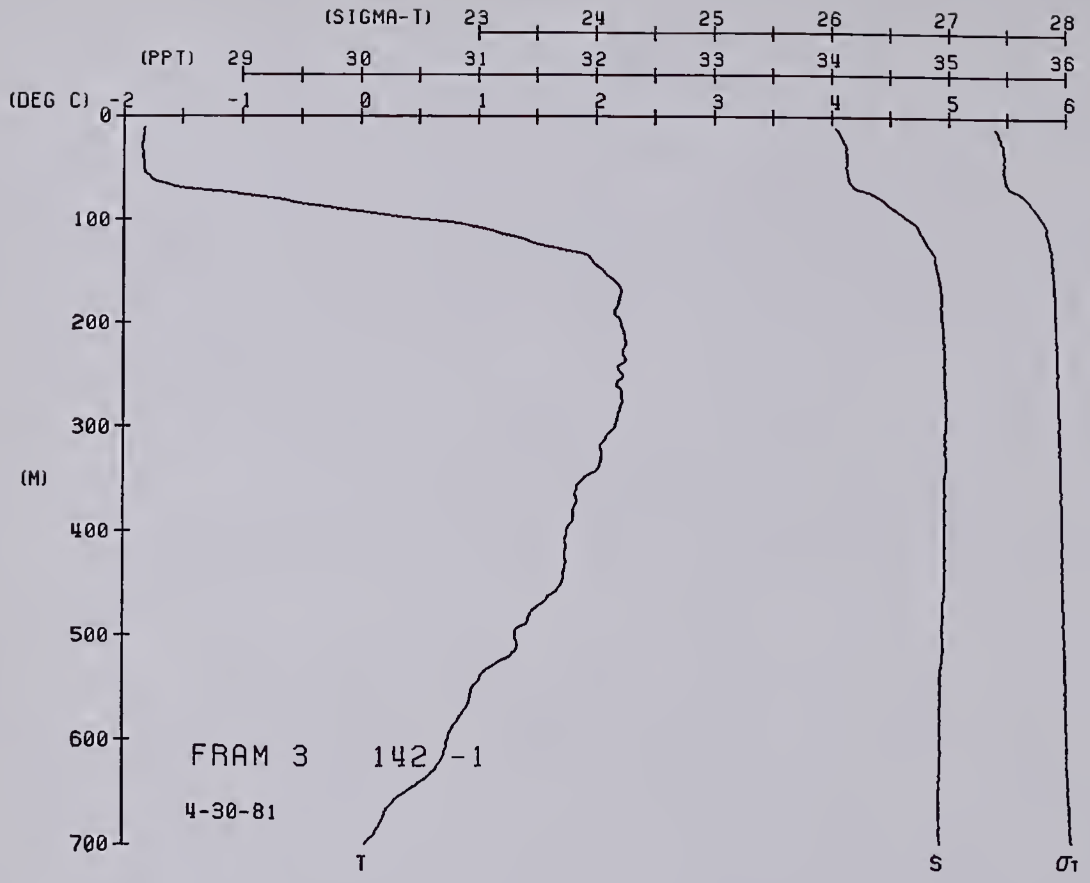
                                                      FRAM 3  STATION 142(1) CTD  30/APR/1981  958 GMT  CODE = 5
                                                      LAT = 81.8723N LNG =   5.3575E LTER =    30. LGER =    30.
                                                      AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

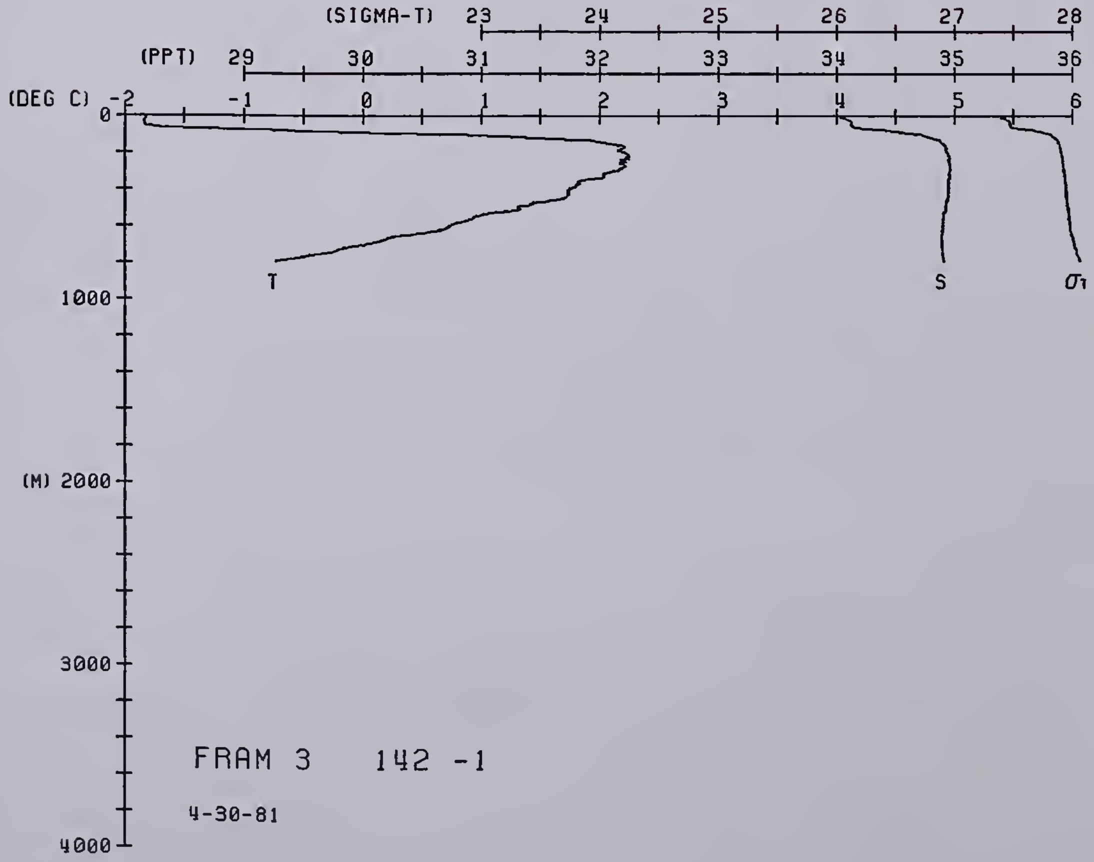
DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND             DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -1.82   -1.82   34.04   27.40    67.1   0.000  1439.5             710.0  -0.08   -0.11   34.90   28.03     7.0   0.156  1460.6
  5.0  -1.82   -1.82   34.04   27.40    67.1   0.003  1439.6             740.0  -0.23   -0.26   34.90   28.04     5.8   0.157  1460.4
 10.0  -1.82   -1.82   34.04   27.40    67.0   0.007  1439.7             790.0  -0.70   -0.73   34.91   28.07     2.0   0.159  1459.1
 10.9  -1.82   -1.82   34.04   27.40    67.0   0.007  1439.7             800.8  -0.73   -0.76   34.89   28.06     3.1   0.160  1459.1
 15.0  -1.83   -1.83   34.06   27.42    64.8   0.010  1439.7
 20.0  -1.84   -1.84   34.09   27.44    62.9   0.013  1439.8
 25.0  -1.84   -1.84   34.11   27.46    61.4   0.017  1439.9
 30.0  -1.84   -1.84   34.12   27.47    60.0   0.020  1440.0
 35.0  -1.84   -1.84   34.13   27.47    59.9   0.023  1440.1
 40.0  -1.84   -1.84   34.13   27.47    59.5   0.026  1440.2
 45.0  -1.83   -1.83   34.13   27.47    59.6   0.029  1440.3
 50.0  -1.83   -1.83   34.13   27.47    59.9   0.032  1440.4
 55.0  -1.81   -1.81   34.13   27.48    59.2   0.035  1440.6
 60.0  -1.76   -1.76   34.15   27.49    58.4   0.038  1440.9
 65.0  -1.66   -1.67   34.16   27.50    57.2   0.041  1441.5
 70.0  -1.47   -1.47   34.22   27.54    53.2   0.043  1442.6
 75.0  -1.05   -1.05   34.35   27.63    45.0   0.046  1444.8
 80.0  -0.71   -0.71   34.43   27.68    40.4   0.048  1446.5
 85.0  -0.48   -0.48   34.48   27.71    37.5   0.050  1447.8
 90.0  -0.13   -0.13   34.55   27.75    33.7   0.052  1449.6
 95.0   0.17    0.16   34.60   27.78    31.2   0.053  1451.1
100.0   0.55    0.55   34.67   27.81    28.1   0.055  1453.0
110.0   1.09    1.08   34.75   27.84    25.9   0.058  1455.7
120.0   1.41    1.41   34.80   27.85    24.4   0.060  1457.4
130.0   1.78    1.78   34.86   27.88    22.3   0.063  1459.3
140.0   1.97    1.97   34.88   27.88    22.2   0.065  1460.3
150.0   2.07    2.06   34.90   27.89    21.4   0.067  1460.9
160.0   2.17    2.16   34.92   27.89    21.1   0.069  1461.6
170.0   2.21    2.21   34.93   27.90    20.7   0.071  1461.9
180.0   2.19    2.18   34.93   27.90    20.3   0.073  1462.0
190.0   2.15    2.14   34.93   27.90    20.2   0.075  1462.0
200.0   2.21    2.20   34.94   27.91    19.8   0.077  1462.4
210.0   2.24    2.22   34.95   27.91    19.7   0.079  1462.7
220.0   2.25    2.24   34.96   27.92    19.3   0.081  1462.9
230.0   2.23    2.22   34.96   27.92    19.1   0.083  1463.0
240.0   2.21    2.19   34.95   27.91    19.5   0.085  1463.1
250.0   2.22    2.21   34.96   27.92    19.1   0.087  1463.3
260.0   2.17    2.16   34.96   27.92    18.9   0.089  1463.3
270.0   2.21    2.20   34.96   27.92    18.7   0.091  1463.6
280.0   2.20    2.19   34.97   27.93    18.4   0.093  1463.7
290.0   2.18    2.16   34.97   27.93    18.1   0.095  1463.8
300.0   2.15    2.14   34.96   27.93    18.4   0.097  1463.8
310.0   2.08    2.06   34.96   27.93    18.1   0.098  1463.7
320.0   2.04    2.02   34.96   27.94    17.4   0.100  1463.7
330.0   2.04    2.02   34.96   27.94    17.5   0.102  1463.9
340.0   2.02    2.00   34.96   27.94    17.4   0.104  1463.9
350.0   1.88    1.86   34.95   27.94    17.3   0.106  1463.5
360.0   1.83    1.81   34.95   27.94    17.1   0.107  1463.4
370.0   1.83    1.81   34.95   27.94    17.1   0.109  1463.6
380.0   1.80    1.78   34.95   27.95    16.7   0.111  1463.6
390.0   1.79    1.77   34.95   27.95    16.8   0.112  1463.7
400.0   1.75    1.73   34.95   27.95    16.6   0.114  1463.7
410.0   1.74    1.71   34.95   27.95    16.3   0.116  1463.8
420.0   1.73    1.71   34.95   27.95    16.5   0.117  1464.0
430.0   1.74    1.72   34.95   27.95    16.5   0.119  1464.2
440.0   1.72    1.70   34.95   27.95    16.4   0.121  1464.3
450.0   1.70    1.67   34.95   27.96    16.3   0.122  1464.3
460.0   1.63    1.60   34.94   27.96    16.1   0.124  1464.2
470.0   1.53    1.50   34.94   27.96    16.0   0.126  1463.9
480.0   1.43    1.41   34.94   27.96    15.3   0.127  1463.6
490.0   1.38    1.36   34.93   27.96    15.6   0.129  1463.6
500.0   1.32    1.29   34.93   27.97    14.9   0.130  1463.4
530.0   1.11    1.08   34.92   27.97    14.2   0.135  1463.0
560.0   0.93    0.90   34.91   27.98    13.3   0.139  1462.7
590.0   0.77    0.74   34.90   27.98    12.7   0.143  1462.5
620.0   0.68    0.65   34.90   27.99    12.1   0.147  1462.5
650.0   0.38    0.35   34.90   28.00    10.5   0.150  1461.7
680.0   0.17    0.14   34.90   28.01     8.9   0.153  1461.2
```



FRAM 3 142 -1

4-30-81



FRAM 3 142 -1

4-30-81

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                                   FRAM 3  STATION 143(2) CTD  30/APR/1981 1117 GMT  CODE = 5
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                                   AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

  DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND            DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

    0.0   -1.37   -1.37   33.78   27.17    88.2   0.000   1441.3            710.0   -0.01   -0.05   34.91   28.03     6.8   0.154   1460.9
    4.0   -1.37   -1.37   33.78   27.17    88.2   0.004   1441.3            740.0   -0.20   -0.23   34.91   28.04     5.6   0.156   1460.6
    5.0   -1.52   -1.52   33.84   27.23    82.6   0.004   1440.7            790.0   -0.74   -0.77   34.92   28.08     0.8   0.157   1458.9
   10.0   -1.83   -1.83   34.03   27.39    67.5   0.008   1439.6            804.7   -0.74   -0.77   34.91   28.07     1.8   0.158   1459.2
   15.0   -1.83   -1.83   34.05   27.41    65.6   0.012   1439.7
   20.0   -1.82   -1.82   34.08   27.43    63.7   0.015   1439.9
   25.0   -1.84   -1.84   34.11   27.46    61.3   0.018   1439.9
   30.0   -1.84   -1.84   34.13   27.47    59.8   0.021   1440.0
   35.0   -1.84   -1.84   34.14   27.48    59.2   0.024   1440.1
   40.0   -1.83   -1.83   34.13   27.47    59.6   0.027   1440.2
   45.0   -1.83   -1.83   34.13   27.47    59.6   0.030   1440.3
   50.0   -1.81   -1.81   34.13   27.47    59.8   0.033   1440.5
   55.0   -1.77   -1.77   34.14   27.48    58.6   0.036   1440.8
   60.0   -1.57   -1.57   34.17   27.50    57.0   0.039   1441.8
   65.0   -1.37   -1.37   34.23   27.54    53.2   0.042   1443.0
   70.0   -1.03   -1.03   34.30   27.59    48.7   0.044   1444.7
   75.0   -0.81   -0.81   34.38   27.65    43.3   0.047   1446.0
   80.0   -0.58   -0.58   34.44   27.68    40.3   0.049   1447.2
   85.0   -0.44   -0.44   34.46   27.69    39.3   0.051   1447.9
   90.0   -0.23   -0.23   34.49   27.71    37.7   0.053   1449.0
   95.0    0.15    0.15   34.58   27.76    32.5   0.055   1451.0
  100.0    0.43    0.42   34.64   27.79    30.0   0.056   1452.4
  110.0    0.94    0.93   34.72   27.82    27.2   0.059   1455.0
  120.0    1.38    1.37   34.79   27.85    24.8   0.062   1457.2
  130.0    1.70    1.69   34.84   27.87    23.4   0.064   1458.9
  140.0    1.95    1.94   34.87   27.87    23.1   0.066   1460.2
  150.0    1.98    1.97   34.89   27.89    21.4   0.069   1460.5
  160.0    2.14    2.13   34.92   27.90    20.8   0.071   1461.4
  170.0    2.17    2.17   34.94   27.91    19.8   0.073   1461.8
  180.0    2.16    2.15   34.94   27.91    19.8   0.075   1461.9
  190.0    2.17    2.16   34.94   27.91    19.3   0.077   1462.1
  200.0    2.26    2.25   34.96   27.92    19.3   0.079   1462.6
  210.0    2.27    2.26   34.96   27.92    18.8   0.081   1462.9
  220.0    2.25    2.24   34.96   27.92    19.0   0.083   1462.9
  230.0    2.24    2.23   34.96   27.92    18.7   0.085   1463.1
  240.0    2.21    2.20   34.96   27.93    18.5   0.086   1463.1
  250.0    2.23    2.22   34.96   27.92    18.7   0.088   1463.4
  260.0    2.21    2.20   34.97   27.93    18.3   0.090   1463.4
  270.0    2.17    2.16   34.97   27.93    18.2   0.092   1463.5
  280.0    2.15    2.13   34.97   27.93    18.0   0.094   1463.5
  290.0    2.12    2.10   34.97   27.94    17.8   0.096   1463.5
  300.0    2.10    2.08   34.97   27.94    17.7   0.097   1463.6
  310.0    2.09    2.07   34.97   27.94    17.3   0.099   1463.7
  320.0    2.10    2.08   34.98   27.95    16.6   0.101   1464.0
  330.0    2.06    2.04   34.97   27.94    17.3   0.103   1463.9
  340.0    2.04    2.02   34.96   27.94    17.5   0.104   1464.0
  350.0    1.99    1.97   34.97   27.95    17.1   0.106   1464.0
  360.0    1.96    1.94   34.97   27.95    16.9   0.108   1464.0
  370.0    1.89    1.86   34.97   27.95    16.3   0.110   1463.8
  380.0    1.81    1.79   34.95   27.95    16.7   0.111   1463.6
  390.0    1.77    1.75   34.96   27.95    16.2   0.113   1463.7
  400.0    1.77    1.74   34.95   27.95    16.4   0.115   1463.8
  410.0    1.73    1.71   34.95   27.95    16.3   0.116   1463.8
  420.0    1.71    1.68   34.95   27.95    16.5   0.118   1463.8
  430.0    1.63    1.61   34.95   27.96    15.7   0.119   1463.7
  440.0    1.58    1.56   34.94   27.96    15.8   0.121   1463.6
  450.0    1.54    1.51   34.94   27.96    15.6   0.123   1463.6
  460.0    1.52    1.49   34.94   27.96    15.4   0.124   1463.7
  470.0    1.47    1.45   34.94   27.96    15.3   0.126   1463.6
  480.0    1.45    1.43   34.94   27.97    15.1   0.127   1463.7
  490.0    1.41    1.38   34.94   27.97    14.9   0.129   1463.7
  500.0    1.34    1.32   34.93   27.97    15.0   0.130   1463.6
  530.0    1.15    1.12   34.93   27.98    13.4   0.135   1463.2
  560.0    0.90    0.87   34.92   27.99    12.5   0.139   1462.5
  590.0    0.75    0.72   34.92   27.99    11.6   0.142   1462.4
  620.0    0.57    0.54   34.91   28.00    11.1   0.146   1462.1
  650.0    0.35    0.32   34.91   28.01     9.3   0.149   1461.6
  680.0    0.15    0.12   34.90   28.02     8.3   0.152   1461.2
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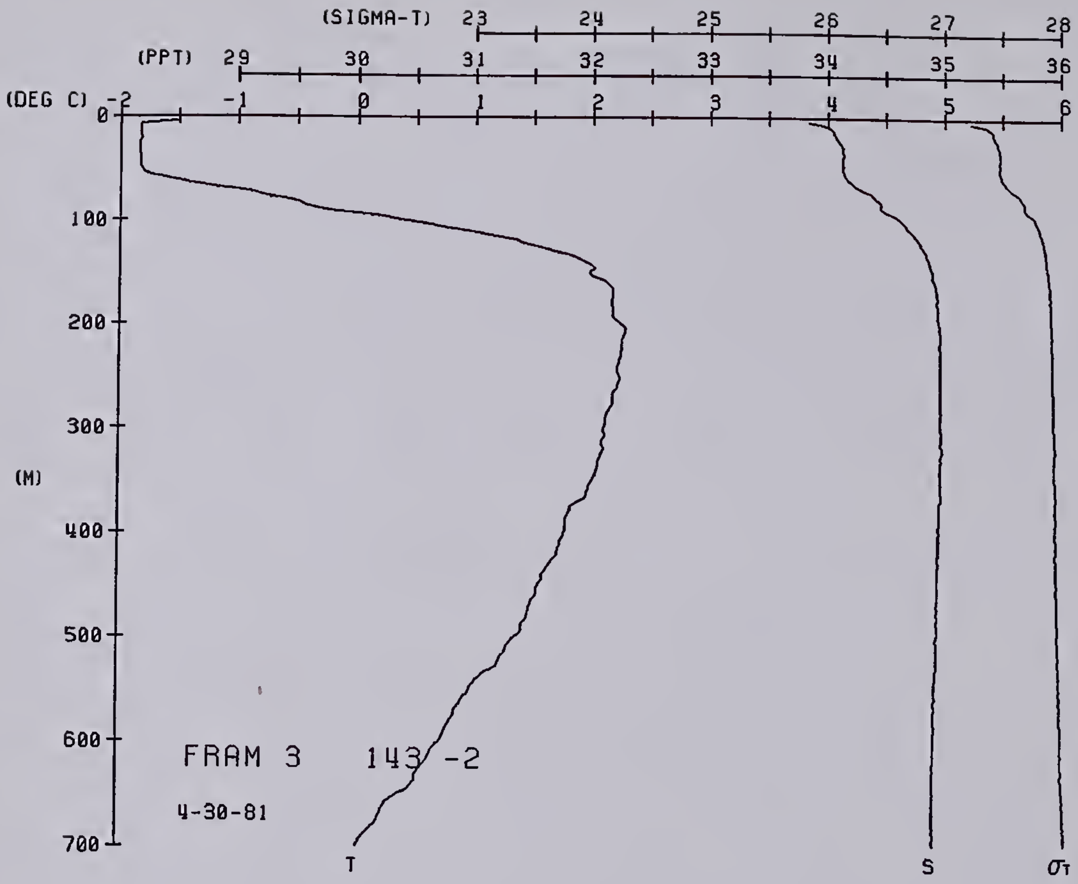
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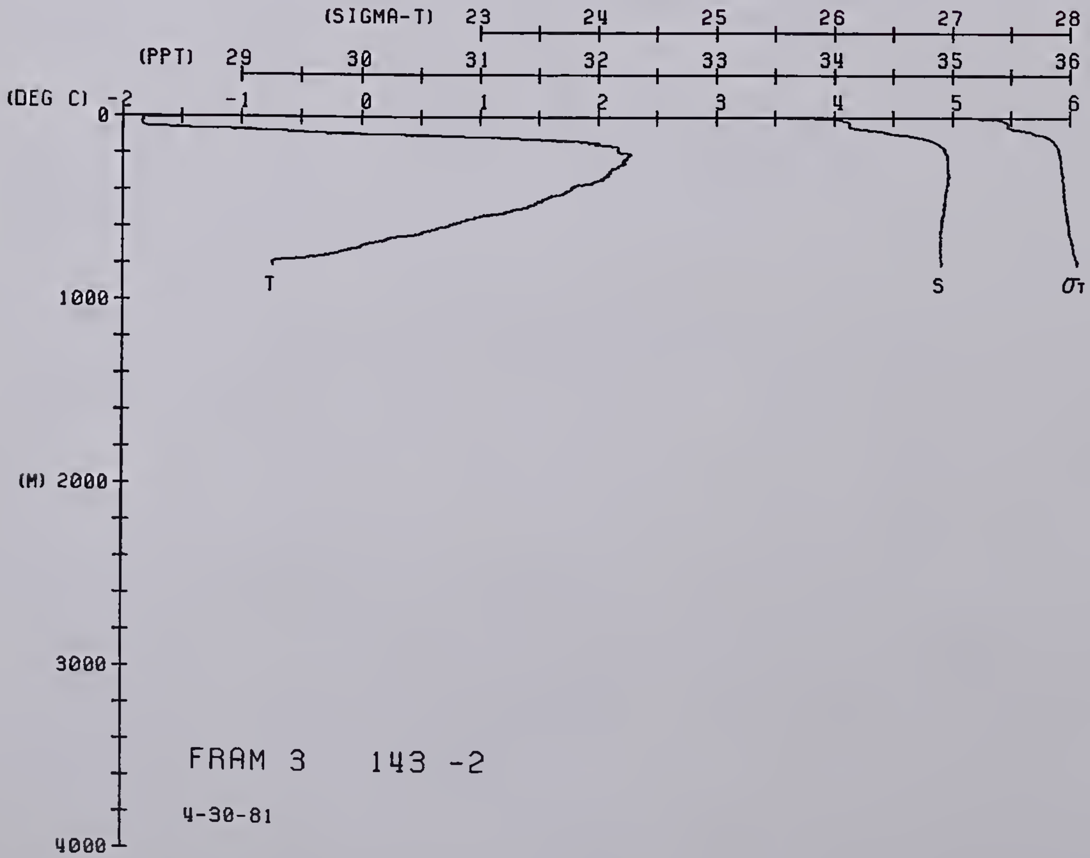
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 143 -2
4-30-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 143 -2
4-30-81

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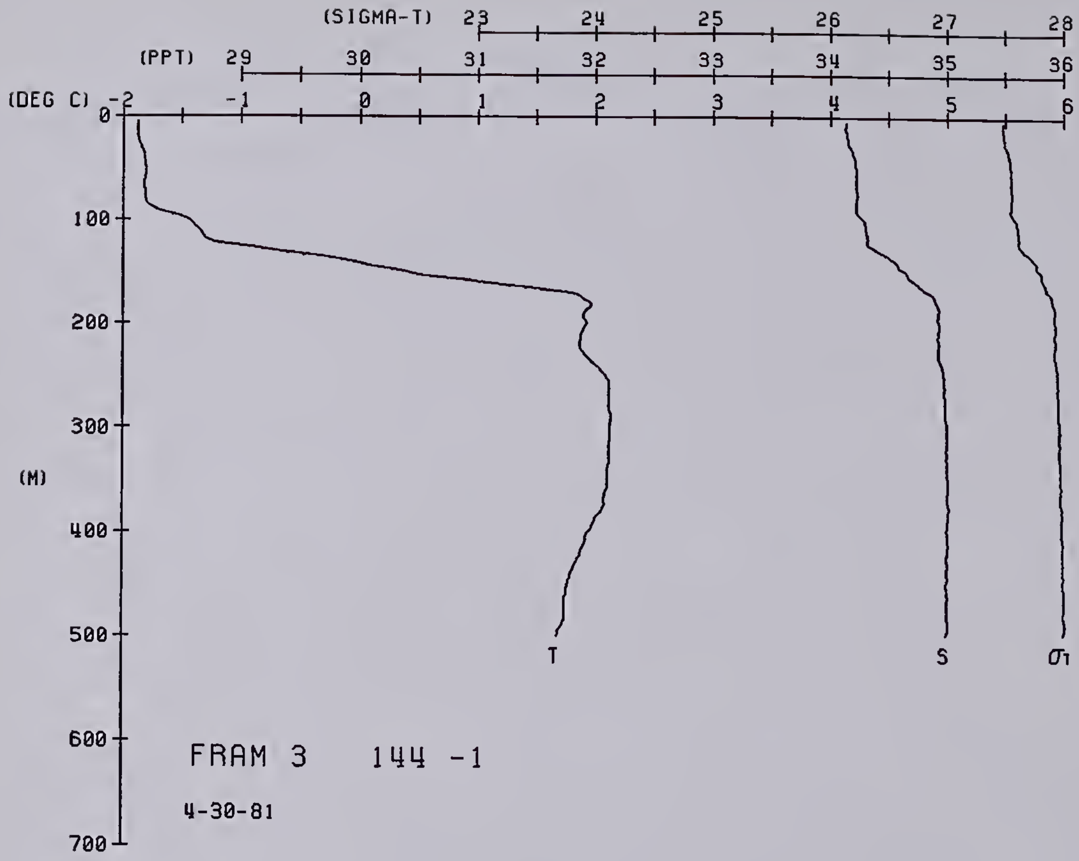
LAT = 82.4333N LNG =   6.5333E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL  DYNHT   SOUND

   0.0   -1.88   -1.88   34.13   27.48   59.3   0.000  1439.4
   4.0   -1.88   -1.88   34.13   27.48   59.3   0.002  1439.4
   5.0   -1.88   -1.88   34.13   27.48   59.3   0.003  1439.4
  10.0   -1.88   -1.88   34.13   27.48   59.5   0.006  1439.5
  15.0   -1.87   -1.87   34.14   27.48   58.9   0.009  1439.6
  20.0   -1.87   -1.87   34.14   27.49   58.5   0.012  1439.7
  25.0   -1.86   -1.86   34.15   27.49   57.8   0.015  1439.9
  30.0   -1.84   -1.84   34.17   27.51   56.2   0.018  1440.1
  35.0   -1.82   -1.82   34.19   27.53   54.8   0.021  1440.3
  40.0   -1.82   -1.82   34.21   27.54   53.6   0.023  1440.4
  45.0   -1.81   -1.81   34.21   27.54   53.3   0.026  1440.5
  50.0   -1.80   -1.81   34.22   27.55   52.7   0.029  1440.6
  55.0   -1.80   -1.81   34.22   27.54   52.8   0.031  1440.7
  60.0   -1.81   -1.81   34.22   27.55   52.6   0.034  1440.8
  65.0   -1.82   -1.82   34.22   27.55   52.4   0.037  1440.8
  70.0   -1.81   -1.81   34.22   27.55   52.3   0.039  1440.9
  75.0   -1.81   -1.81   34.23   27.55   51.8   0.042  1441.0
  80.0   -1.81   -1.81   34.22   27.55   52.3   0.045  1441.1
  85.0   -1.79   -1.79   34.22   27.55   52.5   0.047  1441.3
  90.0   -1.71   -1.71   34.22   27.54   52.9   0.050  1441.8
  95.0   -1.56   -1.57   34.24   27.56   51.6   0.053  1442.5
 100.0   -1.43   -1.43   34.29   27.59   48.3   0.055  1443.3
 110.0   -1.34   -1.35   34.30   27.60   47.2   0.060  1443.9
 120.0   -1.27   -1.27   34.32   27.61   46.5   0.065  1444.5
 130.0   -0.68   -0.69   34.41   27.66   41.7   0.069  1447.5
 140.0   -0.06   -0.06   34.56   27.75   33.3   0.073  1450.7
 150.0    0.40    0.40   34.64   27.80   29.3   0.076  1453.1
 160.0    1.07    1.06   34.73   27.82   27.1   0.079  1456.4
 170.0    1.79    1.78   34.85   27.87   23.2   0.081  1459.9
 180.0    1.96    1.95   34.91   27.90   20.4   0.084  1460.9
 190.0    1.90    1.89   34.92   27.91   19.1   0.086  1460.9
 200.0    1.92    1.91   34.93   27.92   18.7   0.088  1461.1
 210.0    1.88    1.87   34.92   27.91   19.3   0.089  1461.1
 220.0    1.86    1.85   34.92   27.92   18.9   0.091  1461.2
 230.0    1.91    1.90   34.92   27.91   19.4   0.093  1461.6
 240.0    2.00    1.99   34.95   27.93   18.1   0.095  1462.2
 250.0    2.08    2.07   34.96   27.94   17.5   0.097  1462.7
 260.0    2.12    2.10   34.97   27.94   17.1   0.099  1463.0
 270.0    2.11    2.09   34.97   27.94   17.3   0.101  1463.2
 280.0    2.12    2.10   34.97   27.94   17.3   0.102  1463.4
 290.0    2.13    2.11   34.97   27.94   17.2   0.104  1463.6
 300.0    2.12    2.10   34.99   27.95   16.4   0.106  1463.7
 310.0    2.12    2.10   34.99   27.95   16.4   0.107  1463.9
 320.0    2.11    2.10   34.98   27.95   16.5   0.109  1464.0
 330.0    2.11    2.09   34.98   27.95   16.6   0.111  1464.2
 340.0    2.10    2.08   34.99   27.96   16.0   0.112  1464.3
 350.0    2.10    2.07   34.99   27.96   15.8   0.114  1464.5
 360.0    2.08    2.06   35.00   27.96   15.6   0.116  1464.6
 370.0    2.07    2.04   34.99   27.96   16.1   0.117  1464.7
 380.0    2.04    2.02   35.00   27.97   15.0   0.119  1464.7
 390.0    1.98    1.96   34.99   27.96   15.5   0.120  1464.6
 400.0    1.93    1.91   34.98   27.96   15.4   0.122  1464.5
 410.0    1.90    1.88   34.99   27.97   14.7   0.123  1464.6
 420.0    1.87    1.84   34.98   27.97   14.9   0.125  1464.6
 430.0    1.82    1.80   34.99   27.97   14.6   0.126  1464.6
 440.0    1.78    1.76   34.98   27.97   14.6   0.128  1464.6
 450.0    1.75    1.73   34.98   27.97   14.8   0.129  1464.6
 460.0    1.74    1.72   34.98   27.98   14.1   0.131  1464.7
 470.0    1.73    1.70   34.98   27.98   14.1   0.132  1464.8
 480.0    1.73    1.70   34.98   27.97   14.6   0.134  1465.0
 490.0    1.70    1.67   34.99   27.99   13.4   0.135  1465.1
 499.0    1.67    1.64   34.97   27.97   14.6   0.136  1465.0
```



FRAM 3 144 -1

4-30-81

```
                                        FRAM 3  STATION 145(1) CTD  30/APR/1981 1413 GMT  CODE = 5
                                        LAT = 81.8650N LNG =    5.3515E LTER =     30. LGER =     30.
                                        AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0
DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND          DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

  0.0   -1.83   -1.83   34.03   27.39    67.9   0.000   1439.4          710.0   -0.05   -0.08   34.89   28.02     7.6   0.153   1460.7
  5.0   -1.83   -1.83   34.03   27.39    67.9   0.003   1439.5          740.0   -0.20   -0.23   34.89   28.03     6.6   0.155   1460.6
  7.9   -1.83   -1.83   34.03   27.39    67.9   0.005   1439.6          790.0   -0.66   -0.69   34.90   28.06     3.0   0.157   1459.3
 10.0   -1.83   -1.83   34.07   27.43    64.4   0.007   1439.6          794.9   -0.68   -0.71   34.92   28.08     1.0   0.157   1459.3
 15.0   -1.83   -1.83   34.10   27.45    61.9   0.010   1439.8
 20.0   -1.83   -1.83   34.10   27.45    62.3   0.013   1439.8
 25.0   -1.84   -1.84   34.12   27.46    60.6   0.016   1439.9
 30.0   -1.84   -1.84   34.13   27.47    59.8   0.019   1440.0
 35.0   -1.84   -1.84   34.12   27.47    60.3   0.022   1440.1
 40.0   -1.84   -1.84   34.13   27.47    59.8   0.025   1440.2
 45.0   -1.82   -1.82   34.13   27.48    59.3   0.028   1440.4
 50.0   -1.75   -1.76   34.15   27.49    58.1   0.031   1440.8
 55.0   -1.67   -1.67   34.18   27.51    56.0   0.034   1441.3
 60.0   -1.39   -1.39   34.26   27.57    50.9   0.037   1442.8
 65.0   -1.04   -1.05   34.32   27.61    47.0   0.039   1444.6
 70.0   -0.82   -0.82   34.38   27.65    43.3   0.042   1445.8
 75.0   -0.58   -0.58   34.44   27.68    39.9   0.044   1447.1
 80.0   -0.50   -0.50   34.46   27.69    39.1   0.046   1447.6
 85.0   -0.38   -0.38   34.49   27.72    36.8   0.048   1448.3
 90.0   -0.20   -0.20   34.53   27.73    35.1   0.050   1449.2
 95.0    0.00    0.00   34.57   27.76    32.8   0.051   1450.3
100.0    0.22    0.21   34.61   27.78    30.7   0.053   1451.4
110.0    0.62    0.62   34.68   27.81    27.8   0.056   1453.5
120.0    1.16    1.16   34.76   27.85    25.0   0.058   1456.2
130.0    1.56    1.55   34.82   27.86    23.5   0.061   1458.2
140.0    1.79    1.78   34.85   27.87    22.8   0.063   1459.4
150.0    1.90    1.90   34.87   27.88    22.3   0.066   1460.1
160.0    2.18    2.17   34.92   27.89    20.9   0.068   1461.6
170.0    2.29    2.28   34.94   27.90    20.8   0.070   1462.3
180.0    2.29    2.28   34.94   27.90    20.4   0.072   1462.4
190.0    2.21    2.20   34.94   27.91    20.0   0.074   1462.2
200.0    2.19    2.18   34.95   27.91    19.3   0.076   1462.3
210.0    2.26    2.24   34.96   27.92    18.8   0.078   1462.8
220.0    2.26    2.24   34.96   27.92    18.9   0.080   1463.0
230.0    2.24    2.23   34.96   27.92    18.7   0.082   1463.1
240.0    2.18    2.16   34.96   27.92    18.5   0.084   1463.0
250.0    2.16    2.15   34.96   27.93    18.3   0.085   1463.0
260.0    2.16    2.15   34.97   27.93    17.8   0.087   1463.2
270.0    2.17    2.16   34.97   27.93    17.9   0.089   1463.5
280.0    2.19    2.17   34.97   27.94    17.8   0.091   1463.7
290.0    2.17    2.16   34.97   27.93    18.0   0.093   1463.8
300.0    2.10    2.09   34.96   27.93    17.9   0.095   1463.6
310.0    2.09    2.07   34.96   27.94    17.8   0.096   1463.7
320.0    2.06    2.04   34.96   27.94    17.6   0.098   1463.8
330.0    2.02    2.00   34.96   27.94    17.3   0.100   1463.8
340.0    2.01    1.99   34.96   27.94    17.6   0.102   1463.9
350.0    1.97    1.95   34.96   27.94    17.2   0.103   1463.9
360.0    1.95    1.92   34.96   27.95    16.9   0.105   1463.9
370.0    1.91    1.89   34.96   27.95    16.8   0.107   1464.0
380.0    1.90    1.88   34.96   27.95    16.8   0.109   1464.1
390.0    1.89    1.87   34.96   27.95    16.7   0.110   1464.2
400.0    1.83    1.81   34.96   27.95    16.6   0.112   1464.1
410.0    1.76    1.74   34.95   27.95    16.4   0.114   1464.0
420.0    1.73    1.70   34.95   27.95    16.2   0.115   1463.9
430.0    1.68    1.66   34.95   27.96    16.2   0.117   1463.9
440.0    1.62    1.59   34.94   27.96    16.0   0.119   1463.8
450.0    1.59    1.56   34.95   27.96    15.7   0.120   1463.8
460.0    1.50    1.47   34.94   27.96    15.6   0.122   1463.6
470.0    1.43    1.41   34.93   27.96    15.5   0.123   1463.5
480.0    1.41    1.38   34.93   27.96    15.4   0.125   1463.5
490.0    1.29    1.27   34.93   27.97    15.0   0.126   1463.2
500.0    1.27    1.24   34.93   27.97    14.5   0.128   1463.2
530.0    1.07    1.04   34.92   27.97    13.9   0.132   1462.8
560.0    0.84    0.81   34.90   27.98    13.2   0.136   1462.3
590.0    0.72    0.70   34.90   27.99    12.4   0.140   1462.3
620.0    0.57    0.54   34.90   28.00    11.3   0.144   1462.0
650.0    0.32    0.30   34.90   28.01    10.0   0.147   1461.4
680.0    0.20    0.17   34.90   28.01     9.1   0.150   1461.4
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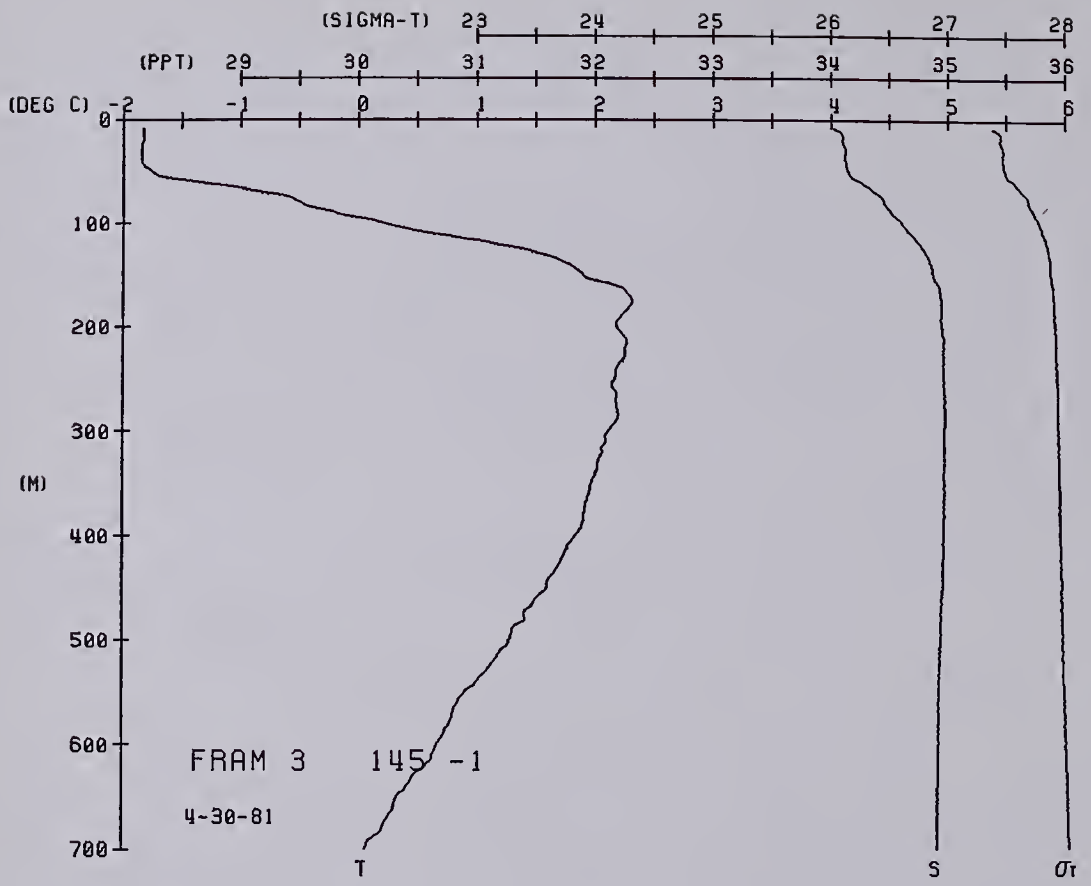
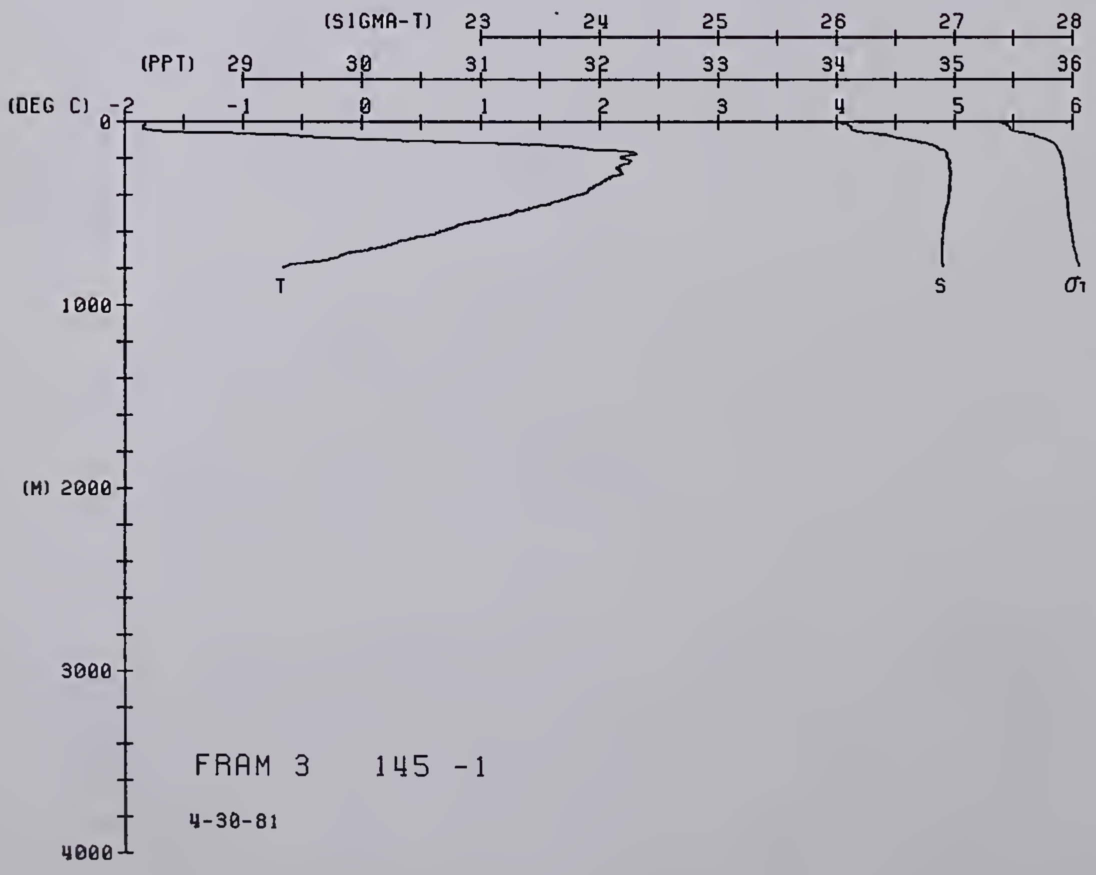

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
0
100
200
300
400
500
600
700
FRAM 3 145 -1
4-30-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
0
1000
2000
3000
4000
T
S
σT
FRAM 3 145 -1
4-30-81

```
 FRAM 3  STATION 146(1) CTD  30/APR/1981 1442 GMT  CODE = 5
LAT = 82.0150N LNG =   0.1867E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.83   -1.83   33.45   26.92   112.4   0.000   1438.6
    4.0  -1.83   -1.83   33.45   26.92   112.4   0.005   1438.7
    5.0  -1.83   -1.83   33.45   26.92   112.1   0.006   1438.7
   10.0  -1.83   -1.83   33.47   26.93   111.0   0.011   1438.8
   15.0  -1.83   -1.83   33.49   26.95   109.1   0.017   1438.9
   20.0  -1.84   -1.84   33.57   27.02   103.1   0.022   1439.1
   25.0  -1.84   -1.84   33.64   27.08    97.0   0.027   1439.2
   30.0  -1.84   -1.84   33.68   27.11    93.9   0.032   1439.4
   35.0  -1.83   -1.83   33.72   27.14    91.0   0.037   1439.6
   40.0  -1.84   -1.84   33.77   27.18    87.1   0.041   1439.7
   45.0  -1.83   -1.83   33.82   27.22    83.6   0.046   1439.9
   50.0  -1.75   -1.75   33.87   27.26    79.3   0.050   1440.4
   55.0  -1.70   -1.70   33.96   27.34    72.5   0.054   1440.9
   60.0  -1.67   -1.67   34.05   27.40    66.3   0.057   1441.2
   65.0  -1.69   -1.69   34.11   27.46    61.1   0.060   1441.3
   70.0  -1.74   -1.74   34.14   27.48    58.8   0.063   1441.2
   75.0  -1.52   -1.52   34.13   27.47    59.9   0.066   1442.3
   80.0  -1.21   -1.21   34.25   27.55    52.4   0.069   1444.0
   85.0  -1.07   -1.07   34.32   27.60    47.3   0.072   1444.8
   90.0  -0.60   -0.60   34.35   27.61    47.0   0.074   1447.1
   95.0  -0.39   -0.39   34.47   27.70    38.4   0.076   1448.3
  100.0  -0.23   -0.23   34.50   27.72    36.8   0.078   1449.2
  110.0   0.17    0.17   34.59   27.77    31.9   0.082   1451.3
  120.0   0.81    0.81   34.65   27.78    31.4   0.085   1454.5
  130.0   1.44    1.43   34.75   27.82    27.9   0.088   1457.6
  140.0   1.74    1.74   34.88   27.89    20.9   0.090   1459.3
  150.0   1.75    1.74   34.87   27.89    21.0   0.092   1459.5
  160.0   1.97    1.96   34.91   27.90    20.3   0.094   1460.7
  170.0   1.95    1.94   34.91   27.90    20.3   0.097   1460.7
  180.0   1.95    1.94   34.94   27.93    17.8   0.098   1460.9
  190.0   1.99    1.98   34.94   27.92    18.4   0.100   1461.3
  200.0   1.87    1.86   34.93   27.92    18.1   0.102   1460.9
  210.0   1.90    1.89   34.92   27.91    19.2   0.104   1461.2
  220.0   2.18    2.16   34.94   27.91    19.8   0.106   1462.6
  230.0   2.30    2.29   34.99   27.94    17.6   0.108   1463.4
  240.0   2.33    2.32   34.99   27.93    17.7   0.110   1463.7
  250.0   2.21    2.20   34.99   27.95    16.3   0.111   1463.3
  260.0   2.12    2.11   34.98   27.94    16.9   0.113   1463.1
  270.0   2.14    2.13   34.98   27.94    17.2   0.115   1463.3
  280.0   2.14    2.13   34.98   27.94    17.1   0.117   1463.5
  290.0   2.19    2.17   34.98   27.94    17.0   0.118   1463.9
  300.0   2.13    2.12   34.99   27.95    16.5   0.120   1463.8
  310.0   2.20    2.18   34.99   27.95    16.7   0.122   1464.3
  320.0   2.18    2.16   35.00   27.96    15.7   0.123   1464.4
  330.0   2.13    2.11   34.99   27.96    16.0   0.125   1464.3
  340.0   2.14    2.13   35.00   27.96    15.9   0.126   1464.5
  350.0   2.11    2.09   35.00   27.96    15.3   0.128   1464.6
  360.0   2.02    2.00   35.00   27.97    14.8   0.130   1464.3
  370.0   1.95    1.93   34.99   27.97    14.8   0.131   1464.2
  380.0   1.93    1.91   34.98   27.96    15.4   0.133   1464.2
  390.0   1.89    1.87   34.99   27.97    14.9   0.134   1464.2
  400.0   1.91    1.89   34.99   27.97    14.7   0.136   1464.5
  410.0   1.93    1.90   35.00   27.98    14.3   0.137   1464.7
  420.0   1.82    1.80   34.99   27.98    14.0   0.139   1464.4
  430.0   1.78    1.76   34.97   27.96    15.5   0.140   1464.4
  440.0   1.73    1.71   34.99   27.98    13.5   0.142   1464.4
  450.0   1.73    1.70   34.98   27.98    14.0   0.143   1464.5
  460.0   1.72    1.69   34.98   27.98    14.4   0.144   1464.6
  470.0   1.67    1.64   34.98   27.98    13.8   0.146   1464.6
  480.0   1.64    1.62   34.98   27.98    13.9   0.147   1464.6
  490.0   1.64    1.61   34.98   27.98    13.6   0.149   1464.8
  499.0   1.63    1.60   34.98   27.98    13.6   0.150   1464.9
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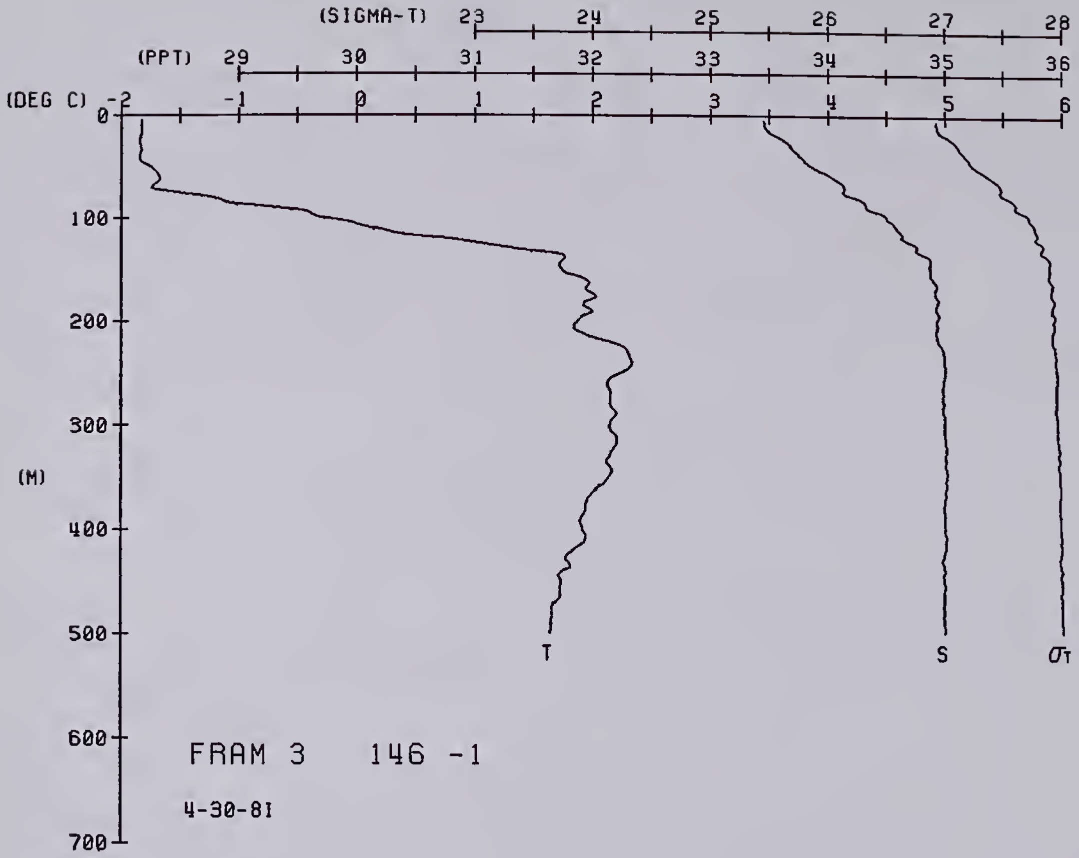
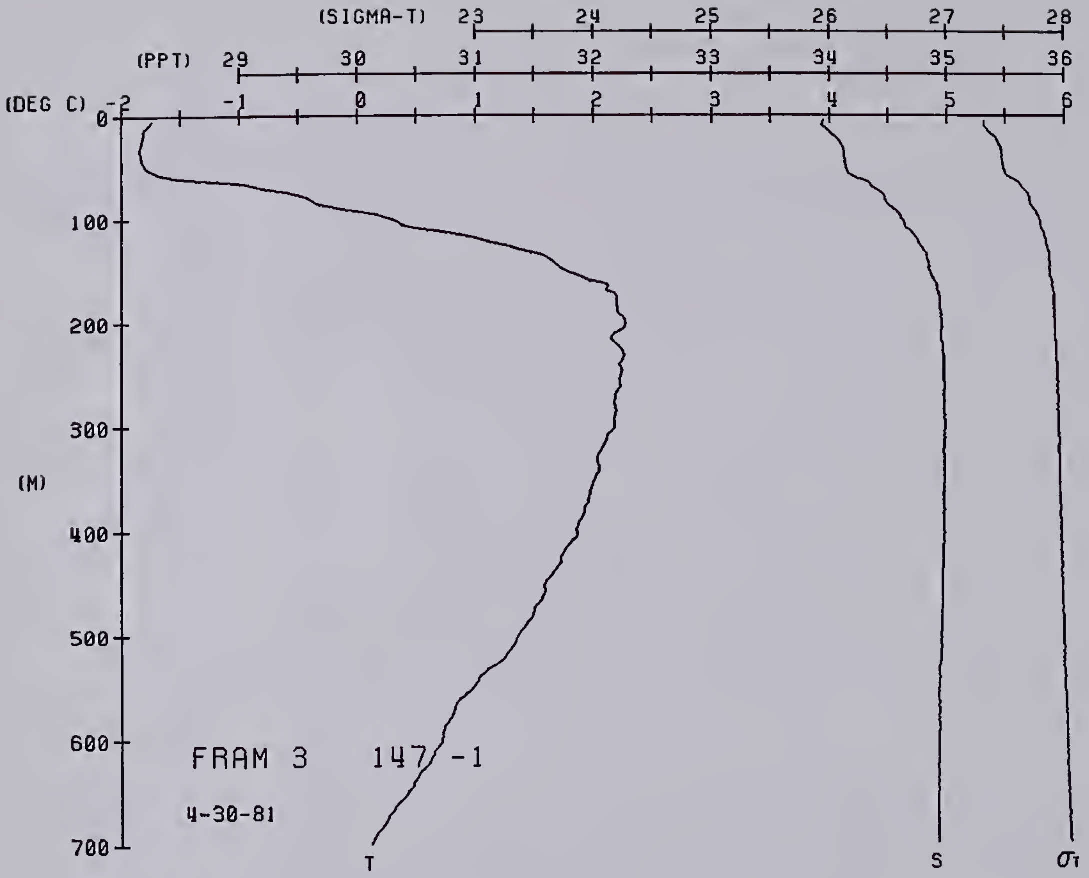


FRAM 3 146 -1

4-30-81

FRAM 3 STATION 147(1) CTD 30/APR/1981 1448 GMT CODE = 5
LAT = 81.8622N LNG = 5.3497E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	33.95	27.33	73.7	0.000	1439.8
4.0	-1.74	-1.74	33.95	27.33	73.7	0.003	1439.8
5.0	-1.74	-1.74	33.95	27.32	74.2	0.004	1439.8
10.0	-1.78	-1.78	33.94	27.32	74.3	0.007	1439.7
15.0	-1.81	-1.81	33.99	27.36	70.2	0.011	1439.7
20.0	-1.82	-1.82	34.05	27.41	66.0	0.015	1439.8
25.0	-1.83	-1.83	34.09	27.44	62.9	0.018	1439.9
30.0	-1.84	-1.84	34.11	27.46	61.1	0.021	1440.0
35.0	-1.84	-1.84	34.12	27.47	60.0	0.024	1440.1
40.0	-1.83	-1.83	34.12	27.47	60.0	0.027	1440.2
45.0	-1.81	-1.81	34.14	27.48	59.1	0.030	1440.4
50.0	-1.79	-1.79	34.14	27.48	58.6	0.033	1440.6
55.0	-1.71	-1.71	34.16	27.50	57.2	0.036	1441.1
60.0	-1.54	-1.54	34.22	27.54	53.2	0.039	1442.1
65.0	-1.05	-1.06	34.34	27.62	46.0	0.041	1444.6
70.0	-0.80	-0.81	34.38	27.64	43.7	0.044	1445.9
75.0	-0.56	-0.57	34.44	27.68	39.8	0.046	1447.2
80.0	-0.41	-0.41	34.47	27.70	38.4	0.048	1448.0
85.0	-0.33	-0.33	34.48	27.71	37.6	0.050	1448.5
90.0	-0.12	-0.12	34.54	27.74	34.3	0.051	1449.6
95.0	0.13	0.13	34.59	27.77	31.9	0.053	1450.9
100.0	0.30	0.29	34.62	27.78	30.6	0.055	1451.8
110.0	0.57	0.56	34.67	27.81	28.6	0.058	1453.2
120.0	1.05	1.05	34.75	27.84	25.5	0.060	1455.7
130.0	1.40	1.39	34.80	27.86	24.1	0.063	1457.5
140.0	1.65	1.64	34.83	27.86	23.5	0.065	1458.8
150.0	1.76	1.76	34.85	27.87	23.0	0.068	1459.5
160.0	2.00	1.99	34.89	27.89	21.7	0.070	1460.8
170.0	2.13	2.12	34.92	27.90	20.8	0.072	1461.5
180.0	2.20	2.19	34.93	27.90	20.7	0.074	1462.0
190.0	2.21	2.20	34.94	27.91	20.0	0.076	1462.2
200.0	2.28	2.26	34.95	27.91	20.0	0.078	1462.7
210.0	2.19	2.18	34.94	27.91	19.8	0.080	1462.5
220.0	2.19	2.18	34.95	27.92	19.1	0.082	1462.7
230.0	2.26	2.25	34.96	27.92	19.0	0.084	1463.2
240.0	2.22	2.20	34.96	27.92	18.7	0.086	1463.1
250.0	2.23	2.22	34.96	27.92	18.6	0.088	1463.4
260.0	2.22	2.21	34.97	27.93	18.2	0.090	1463.5
270.0	2.18	2.17	34.97	27.93	18.1	0.092	1463.5
280.0	2.18	2.16	34.97	27.93	18.3	0.093	1463.6
290.0	2.18	2.16	34.97	27.93	18.0	0.095	1463.8
300.0	2.17	2.16	34.97	27.94	17.8	0.097	1464.0
310.0	2.11	2.09	34.97	27.94	17.7	0.099	1463.8
320.0	2.07	2.05	34.96	27.94	17.8	0.101	1463.8
330.0	2.03	2.01	34.96	27.94	17.5	0.102	1463.8
340.0	2.04	2.02	34.96	27.94	17.5	0.104	1464.0
350.0	2.00	1.98	34.96	27.94	17.4	0.106	1464.0
360.0	1.97	1.95	34.96	27.94	17.2	0.108	1464.0
370.0	1.95	1.93	34.96	27.94	17.3	0.110	1464.1
380.0	1.92	1.90	34.96	27.95	17.1	0.111	1464.1
390.0	1.88	1.86	34.96	27.95	16.9	0.113	1464.1
400.0	1.85	1.83	34.96	27.95	16.7	0.115	1464.2
410.0	1.81	1.79	34.95	27.95	16.7	0.116	1464.2
420.0	1.74	1.72	34.95	27.95	16.5	0.118	1464.0
430.0	1.71	1.69	34.95	27.95	16.4	0.120	1464.1
440.0	1.65	1.63	34.94	27.95	16.5	0.121	1463.9
450.0	1.59	1.56	34.94	27.96	16.0	0.123	1463.8
460.0	1.58	1.55	34.94	27.96	15.9	0.125	1463.9
470.0	1.52	1.49	34.94	27.96	15.5	0.126	1463.8
480.0	1.48	1.46	34.94	27.96	15.6	0.128	1463.8
490.0	1.42	1.39	34.93	27.96	15.5	0.129	1463.7
500.0	1.35	1.33	34.93	27.96	15.3	0.131	1463.6
530.0	1.13	1.10	34.92	27.97	14.5	0.135	1463.1
560.0	0.86	0.84	34.91	27.98	13.3	0.140	1462.4
590.0	0.73	0.70	34.91	27.99	12.0	0.144	1462.3
620.0	0.60	0.57	34.91	28.00	11.4	0.147	1462.2
650.0	0.42	0.39	34.90	28.00	10.7	0.150	1461.9
680.0	0.22	0.19	34.89	28.01	9.5	0.154	1461.5
710.0	-0.02	-0.05	34.89	28.02	7.8	0.156	1460.9
740.0	-0.22	-0.25	34.89	28.03	6.5	0.158	1460.5
790.0	-0.69	-0.72	34.90	28.06	3.0	0.161	1459.2
805.7	-0.69	-0.72	34.92	28.07	1.4	0.161	1459.5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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
0
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200
300
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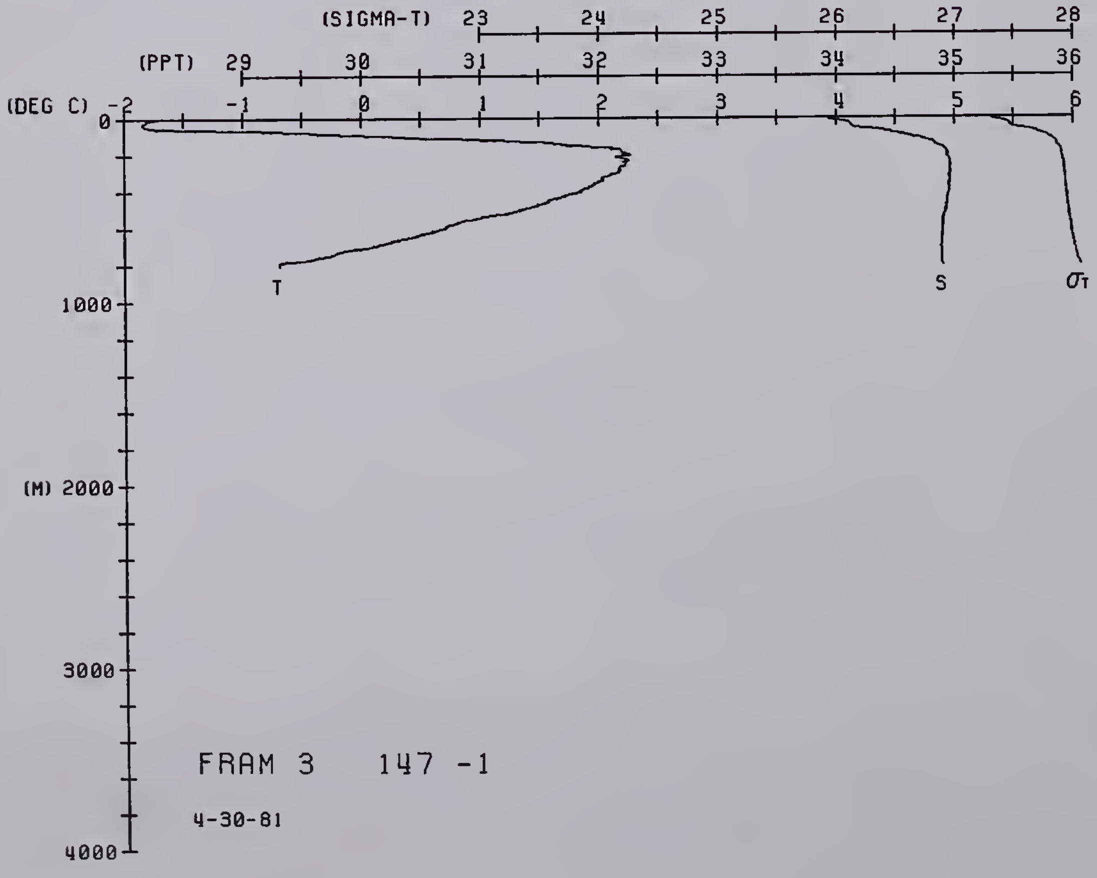
FRAM 3 147 -1
4-30-81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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 147 -1
4-30-81

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                              FRAM 3  STATION 148(1) CTD  30/APR/1981 1532 GMT  CODE = 5
                              LAT = 81.8587N LNG =   5.3443E LTER =    30. LGER =    30.
                              AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT   SOUND        DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT   SOUND

  0.0  -1.73  -1.73  33.90  27.29   77.6  0.000  1439.7        710.0  -0.05  -0.08  34.89  28.02    7.6  0.155  1460.7
  4.9  -1.73  -1.73  33.90  27.29   77.5  0.004  1439.8        740.0  -0.25  -0.28  34.90  28.03    6.2  0.157  1460.3
  5.0  -1.73  -1.73  33.90  27.29   77.4  0.004  1439.8        790.0  -0.68  -0.71  34.90  28.06    2.9  0.159  1459.2
 10.0  -1.81  -1.81  34.06  27.42   65.2  0.008  1439.7        801.8  -0.68  -0.71  34.89  28.05    3.9  0.160  1459.4
 15.0  -1.83  -1.83  34.10  27.45   62.2  0.011  1439.8
 20.0  -1.84  -1.84  34.12  27.47   60.4  0.014  1439.9
 25.0  -1.84  -1.84  34.12  27.47   60.3  0.017  1439.9
 30.0  -1.84  -1.84  34.12  27.47   60.1  0.020  1440.0
 35.0  -1.83  -1.83  34.13  27.47   59.6  0.023  1440.1
 40.0  -1.81  -1.81  34.14  27.48   58.9  0.026  1440.3
 45.0  -1.80  -1.80  34.14  27.48   58.6  0.029  1440.5
 50.0  -1.73  -1.73  34.16  27.49   57.6  0.032  1440.9
 55.0  -1.41  -1.41  34.26  27.57   50.6  0.035  1442.6
 60.0  -1.01  -1.01  34.35  27.63   45.2  0.037  1444.7
 65.0  -0.84  -0.84  34.37  27.64   44.2  0.039  1445.6
 70.0  -0.58  -0.58  34.44  27.69   39.6  0.041  1447.0
 75.0  -0.37  -0.37  34.48  27.71   37.8  0.043  1448.1
 80.0  -0.30  -0.30  34.50  27.72   36.9  0.045  1448.5
 85.0  -0.18  -0.18  34.53  27.74   34.9  0.047  1449.2
 90.0   0.02   0.02  34.57  27.76   33.2  0.049  1450.3
 95.0   0.17   0.17  34.59  27.77   32.2  0.050  1451.1
100.0   0.27   0.27  34.61  27.77   31.5  0.052  1451.7
110.0   0.55   0.54  34.66  27.80   28.9  0.055  1453.1
120.0   0.81   0.81  34.70  27.82   27.6  0.058  1454.6
130.0   1.08   1.07  34.75  27.84   25.7  0.061  1456.0
140.0   1.33   1.32  34.78  27.85   24.7  0.063  1457.3
150.0   1.65   1.64  34.84  27.87   22.8  0.066  1459.0
160.0   1.90   1.89  34.88  27.88   22.1  0.068  1460.3
170.0   2.01   2.00  34.90  27.89   21.5  0.070  1461.0
180.0   2.08   2.07  34.91  27.89   21.2  0.072  1461.5
190.0   2.10   2.09  34.93  27.90   20.1  0.074  1461.7
200.0   2.12   2.11  34.93  27.91   19.9  0.076  1462.0
210.0   2.18   2.17  34.94  27.91   19.6  0.078  1462.4
220.0   2.26   2.25  34.95  27.91   19.6  0.080  1463.0
230.0   2.24   2.23  34.95  27.91   20.1  0.082  1463.1
240.0   2.06   2.04  34.94  27.92   19.1  0.084  1462.4
250.0   2.00   1.98  34.93  27.92   19.3  0.086  1462.3
260.0   1.98   1.97  34.94  27.92   18.5  0.088  1462.4
270.0   2.02   2.00  34.94  27.93   18.5  0.090  1462.7
280.0   2.04   2.02  34.95  27.93   18.1  0.092  1463.0
290.0   2.10   2.08  34.96  27.93   18.2  0.094  1463.4
300.0   2.09   2.07  34.96  27.93   18.1  0.096  1463.5
310.0   2.06   2.04  34.96  27.93   18.0  0.097  1463.6
320.0   2.04   2.02  34.96  27.94   17.7  0.099  1463.7
330.0   2.01   1.99  34.96  27.94   17.6  0.101  1463.7
340.0   1.99   1.97  34.96  27.94   17.7  0.103  1463.8
350.0   1.97   1.95  34.96  27.94   17.4  0.105  1463.9
360.0   1.93   1.91  34.96  27.94   17.2  0.106  1463.9
370.0   1.95   1.93  34.96  27.95   17.0  0.108  1464.1
380.0   1.92   1.90  34.96  27.94   17.2  0.110  1464.1
390.0   1.88   1.86  34.95  27.94   17.2  0.112  1464.1
400.0   1.87   1.85  34.96  27.95   16.9  0.113  1464.3
410.0   1.81   1.78  34.96  27.95   16.6  0.115  1464.1
420.0   1.77   1.74  34.95  27.95   16.5  0.117  1464.1
430.0   1.70   1.68  34.95  27.95   16.5  0.118  1464.0
440.0   1.63   1.61  34.95  27.96   15.9  0.120  1463.9
450.0   1.61   1.58  34.95  27.96   15.7  0.122  1463.9
460.0   1.53   1.51  34.94  27.96   15.5  0.123  1463.7
470.0   1.50   1.48  34.94  27.96   15.5  0.125  1463.8
480.0   1.48   1.45  34.94  27.96   15.4  0.126  1463.8
490.0   1.43   1.40  34.93  27.96   15.4  0.128  1463.8
500.0   1.38   1.36  34.93  27.96   15.5  0.129  1463.7
530.0   1.19   1.16  34.92  27.97   14.6  0.134  1463.3
560.0   0.94   0.91  34.91  27.98   13.6  0.138  1462.7
590.0   0.77   0.75  34.91  27.99   12.5  0.142  1462.5
620.0   0.61   0.58  34.90  27.99   11.7  0.146  1462.2
650.0   0.38   0.35  34.90  28.00   10.3  0.149  1461.7
680.0   0.23   0.20  34.90  28.01    9.5  0.152  1461.5
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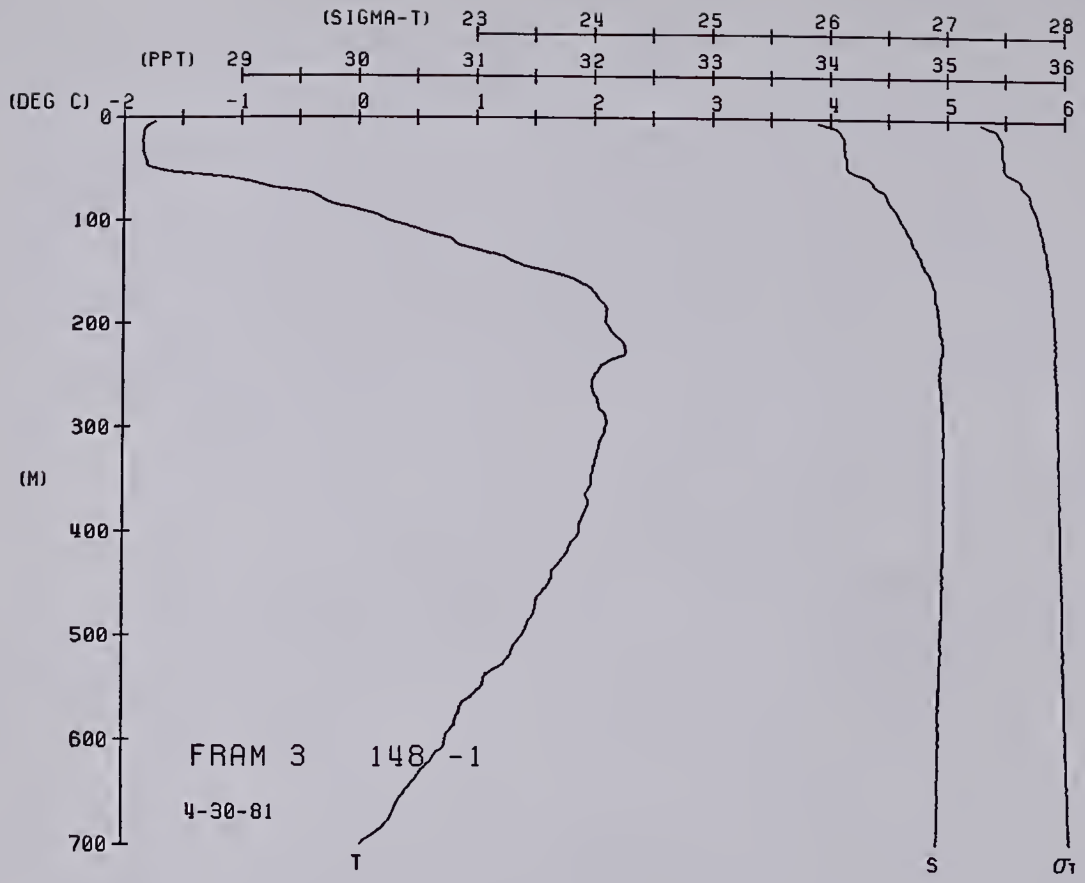
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
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FRAM 3 148 -1
4-30-81
T
S
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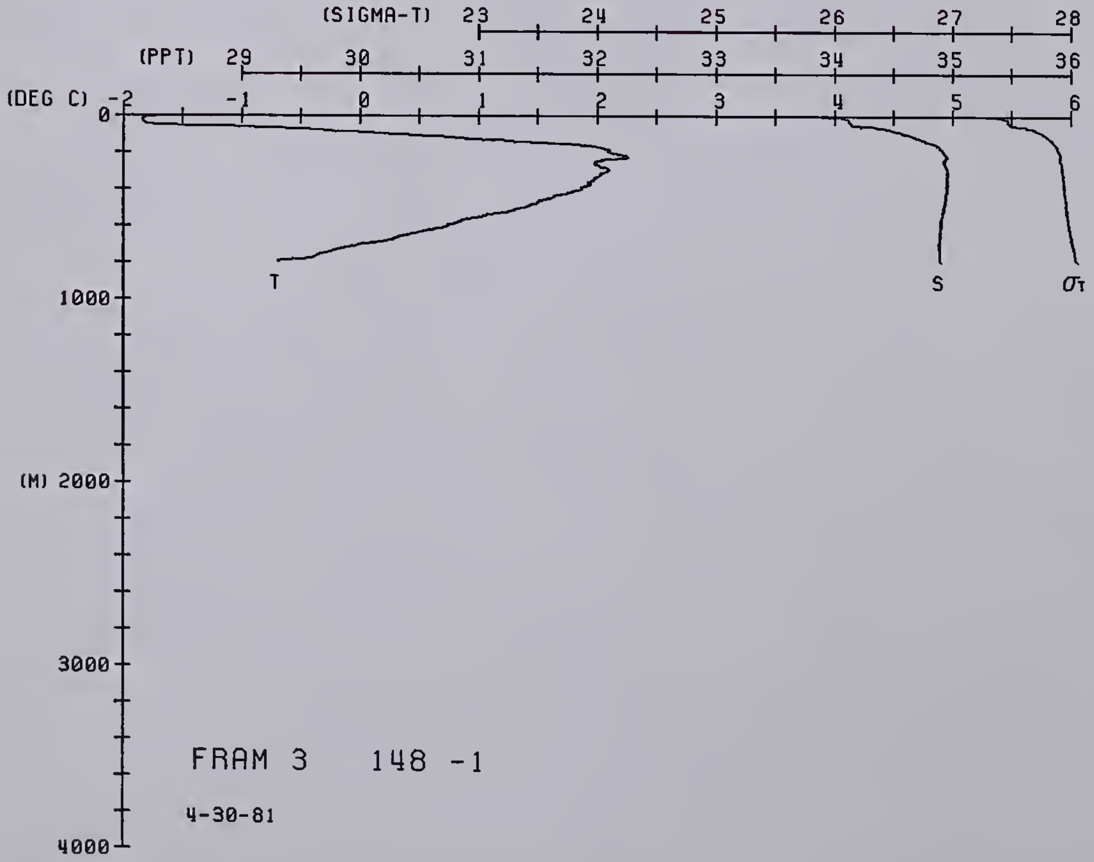
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 148 -1
4-30-81
T
S
σT

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LAT = 82.3250N LNG =   0.0850W LTER =    300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0   -1.80   -1.80   32.60   26.23   177.8   0.000  1437.5
    4.0   -1.80   -1.80   32.60   26.23   177.8   0.007  1437.6
    5.0   -1.80   -1.80   32.60   26.23   178.0   0.009  1437.6
   10.0   -1.80   -1.80   32.60   26.23   177.5   0.018  1437.7
   15.0   -1.80   -1.81   32.64   26.26   174.7   0.027  1437.8
   20.0   -1.79   -1.79   32.70   26.31   169.7   0.036  1438.0
   25.0   -1.78   -1.79   33.03   26.57   144.9   0.044  1438.6
   30.0   -1.79   -1.79   33.50   26.96   108.5   0.050  1439.4
   35.0   -1.77   -1.78   33.74   27.16    89.4   0.055  1439.9
   40.0   -1.77   -1.78   33.86   27.25    80.5   0.059  1440.1
   45.0   -1.79   -1.79   33.95   27.32    73.9   0.063  1440.2
   50.0   -1.79   -1.79   34.00   27.37    69.7   0.067  1440.4
   55.0   -1.79   -1.80   34.03   27.40    66.9   0.070  1440.5
   60.0   -1.79   -1.79   34.07   27.43    64.0   0.074  1440.7
   65.0   -1.78   -1.78   34.08   27.44    63.1   0.077  1440.8
   70.0   -1.76   -1.76   34.11   27.46    60.8   0.080  1441.0
   75.0   -1.73   -1.73   34.14   27.48    59.0   0.083  1441.3
   80.0   -1.72   -1.72   34.16   27.50    57.3   0.086  1441.5
   85.0   -1.66   -1.66   34.19   27.52    55.1   0.089  1441.9
   90.0   -1.61   -1.61   34.21   27.54    53.4   0.091  1442.2
   95.0   -1.54   -1.54   34.24   27.55    51.9   0.094  1442.7
  100.0   -1.45   -1.45   34.27   27.58    49.7   0.097  1443.2
  110.0   -1.18   -1.19   34.34   27.62    45.4   0.101  1444.7
  120.0   -0.89   -0.89   34.41   27.67    40.7   0.106  1446.4
  130.0   -0.49   -0.49   34.51   27.73    35.2   0.110  1448.5
  140.0    0.08    0.07   34.54   27.73    35.6   0.113  1451.3
  150.0    1.02    1.02   34.67   27.78    31.6   0.117  1456.0
  160.0    1.72    1.71   34.81   27.84    25.8   0.120  1459.4
  170.0    2.11    2.10   34.91   27.89    21.4   0.122  1461.4
  180.0    2.30    2.28   34.95   27.91    19.8   0.124  1462.5
  190.0    2.37    2.35   34.97   27.92    18.7   0.126  1463.0
  200.0    2.38    2.36   34.98   27.93    18.1   0.128  1463.2
  210.0    2.38    2.37   34.99   27.93    17.8   0.130  1463.4
  220.0    2.36    2.34   34.99   27.93    17.8   0.131  1463.4
  230.0    2.37    2.35   35.00   27.94    16.7   0.133  1463.7
  240.0    2.34    2.32   35.00   27.95    16.6   0.135  1463.7
  250.0    2.31    2.29   35.01   27.95    16.1   0.137  1463.7
  260.0    2.28    2.26   35.01   27.95    16.0   0.138  1463.8
  270.0    2.24    2.23   35.00   27.95    16.5   0.140  1463.8
  280.0    2.23    2.22   35.01   27.96    15.8   0.141  1463.9
  290.0    2.22    2.21   35.01   27.96    15.5   0.143  1464.1
  300.0    2.18    2.17   35.01   27.96    15.5   0.145  1464.0
  310.0    2.16    2.14   35.01   27.97    15.0   0.146  1464.1
  320.0    2.14    2.12   35.00   27.96    15.3   0.148  1464.2
  330.0    2.14    2.13   35.00   27.96    15.4   0.149  1464.4
  340.0    2.12    2.10   35.01   27.97    14.8   0.151  1464.4
  350.0    2.09    2.07   35.01   27.97    14.8   0.152  1464.5
  360.0    2.06    2.03   35.00   27.97    14.8   0.154  1464.5
  370.0    2.04    2.02   35.00   27.97    14.7   0.155  1464.6
  380.0    2.01    1.99   35.00   27.97    14.5   0.157  1464.6
  390.0    1.99    1.97   35.01   27.98    14.1   0.158  1464.7
  400.0    1.96    1.93   35.01   27.98    14.0   0.160  1464.7
  410.0    1.92    1.90   35.00   27.98    14.2   0.161  1464.7
  420.0    1.88    1.85   35.01   27.99    13.3   0.162  1464.7
  430.0    1.84    1.82   35.00   27.98    13.7   0.164  1464.7
  440.0    1.80    1.78   34.99   27.98    14.0   0.165  1464.7
  450.0    1.75    1.73   35.00   27.99    13.3   0.167  1464.6
  460.0    1.72    1.69   35.00   27.99    12.9   0.168  1464.6
  470.0    1.69    1.67   34.99   27.98    13.6   0.169  1464.7
  480.0    1.62    1.59   34.98   27.99    13.2   0.171  1464.5
  487.2    1.57    1.54   34.99   28.00    12.5   0.171  1464.4
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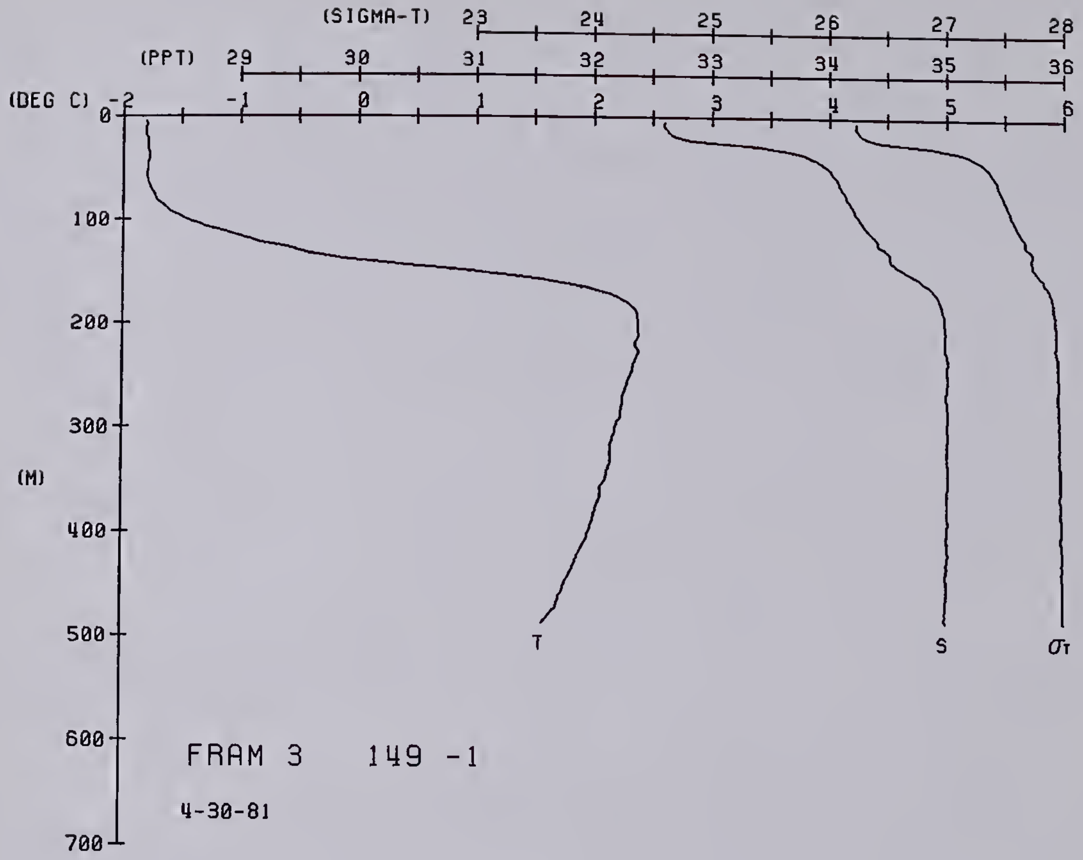

FRAM 3 149 -1

4-30-81

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                            LAT = 81.8577N LNG =   5.3428E LTER =    30. LGER =    30.
                            AIR TEMP =    0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

   DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND             DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

     0.0   -1.86   -1.86   34.05   27.41    65.9   0.000  1439.3             710.0   -0.11   -0.14   34.89   28.02     7.6   0.153  1460.4
     4.0   -1.86   -1.86   34.05   27.41    65.9   0.003  1439.4             740.0   -0.27   -0.30   34.89   28.03     6.2   0.155  1460.2
     5.0   -1.85   -1.85   34.05   27.41    66.2   0.003  1439.4             790.0   -0.66   -0.69   34.89   28.05     3.6   0.158  1459.3
    10.0   -1.83   -1.83   34.06   27.42    65.4   0.007  1439.6             797.8   -0.66   -0.69   34.91   28.07     2.1   0.158  1459.4
    15.0   -1.83   -1.83   34.07   27.42    64.6   0.010  1439.7
    20.0   -1.83   -1.83   34.09   27.44    62.7   0.013  1439.9
    25.0   -1.83   -1.83   34.10   27.45    62.2   0.016  1440.0
    30.0   -1.83   -1.83   34.11   27.46    60.9   0.019  1440.0
    35.0   -1.84   -1.84   34.13   27.47    59.6   0.022  1440.1
    40.0   -1.83   -1.83   34.13   27.48    59.4   0.025  1440.2
    45.0   -1.81   -1.81   34.13   27.47    59.9   0.028  1440.4
    50.0   -1.80   -1.81   34.14   27.48    59.2   0.032  1440.5
    55.0   -1.76   -1.76   34.16   27.50    57.4   0.034  1440.8
    60.0   -1.41   -1.41   34.26   27.56    51.0   0.037  1442.7
    65.0   -1.02   -1.02   34.35   27.63    44.9   0.040  1444.8
    70.0   -0.51   -0.52   34.48   27.71    37.3   0.042  1447.4
    75.0   -0.27   -0.28   34.51   27.73    36.0   0.044  1448.6
    80.0   -0.12   -0.12   34.54   27.74    34.4   0.045  1449.5
    85.0    0.12    0.12   34.58   27.76    32.9   0.047  1450.7
    90.0    0.23    0.23   34.60   27.77    32.0   0.049  1451.3
    95.0    0.38    0.37   34.63   27.79    30.2   0.050  1452.1
   100.0    0.58    0.58   34.67   27.80    28.7   0.052  1453.1
   110.0    0.98    0.98   34.73   27.83    26.5   0.055  1455.2
   120.0    1.22    1.21   34.76   27.84    25.4   0.057  1456.5
   130.0    1.34    1.34   34.78   27.85    24.8   0.060  1457.2
   140.0    1.56    1.55   34.82   27.86    23.5   0.062  1458.4
   150.0    1.72    1.71   34.85   27.87    22.9   0.064  1459.3
   160.0    1.93    1.92   34.89   27.89    21.6   0.067  1460.4
   170.0    2.02    2.02   34.90   27.89    21.4   0.069  1461.0
   180.0    2.10    2.09   34.91   27.89    21.0   0.071  1461.6
   190.0    2.10    2.09   34.92   27.90    20.8   0.073  1461.8
   200.0    2.09    2.08   34.93   27.91    20.1   0.075  1461.9
   210.0    2.10    2.09   34.93   27.91    20.0   0.077  1462.1
   220.0    2.13    2.12   34.94   27.91    19.8   0.079  1462.4
   230.0    2.18    2.16   34.95   27.91    19.4   0.081  1462.8
   240.0    2.19    2.17   34.95   27.92    19.0   0.083  1463.0
   250.0    2.20    2.19   34.96   27.92    18.7   0.085  1463.2
   260.0    2.06    2.05   34.94   27.91    19.5   0.087  1462.7
   270.0    1.99    1.97   34.94   27.93    18.2   0.089  1462.6
   280.0    2.01    1.99   34.95   27.93    18.2   0.091  1462.9
   290.0    2.04    2.03   34.95   27.93    18.1   0.093  1463.2
   300.0    2.08    2.06   34.96   27.93    17.8   0.094  1463.5
   310.0    2.07    2.05   34.96   27.94    17.8   0.096  1463.6
   320.0    2.06    2.04   34.96   27.94    17.8   0.098  1463.8
   330.0    2.02    2.00   34.96   27.94    17.6   0.100  1463.8
   340.0    2.00    1.98   34.96   27.94    17.8   0.102  1463.8
   350.0    1.97    1.95   34.96   27.94    17.4   0.103  1463.9
   360.0    1.98    1.95   34.96   27.94    17.3   0.105  1464.1
   370.0    1.96    1.94   34.96   27.94    17.1   0.107  1464.2
   380.0    1.93    1.91   34.96   27.95    17.1   0.109  1464.2
   390.0    1.90    1.88   34.96   27.95    16.9   0.110  1464.3
   400.0    1.89    1.86   34.96   27.95    17.1   0.112  1464.3
   410.0    1.84    1.82   34.95   27.95    16.9   0.114  1464.3
   420.0    1.78    1.76   34.95   27.95    16.7   0.115  1464.2
   430.0    1.75    1.73   34.95   27.95    16.6   0.117  1464.2
   440.0    1.68    1.66   34.95   27.95    16.2   0.119  1464.1
   450.0    1.65    1.63   34.95   27.96    16.0   0.120  1464.1
   460.0    1.59    1.56   34.94   27.95    16.2   0.122  1464.0
   470.0    1.51    1.48   34.94   27.96    15.7   0.124  1463.8
   480.0    1.45    1.42   34.93   27.96    15.4   0.125  1463.7
   490.0    1.36    1.33   34.93   27.96    15.4   0.127  1463.5
   500.0    1.30    1.27   34.92   27.96    15.1   0.128  1463.4
   530.0    1.14    1.11   34.92   27.97    14.4   0.133  1463.1
   560.0    0.83    0.80   34.91   27.98    13.0   0.137  1462.2
   590.0    0.76    0.73   34.91   27.99    12.4   0.141  1462.4
   620.0    0.50    0.47   34.90   28.00    10.9   0.144  1461.7
   650.0    0.30    0.27   34.90   28.01     9.6   0.148  1461.3
   680.0    0.16    0.13   34.89   28.01     9.1   0.150  1461.2
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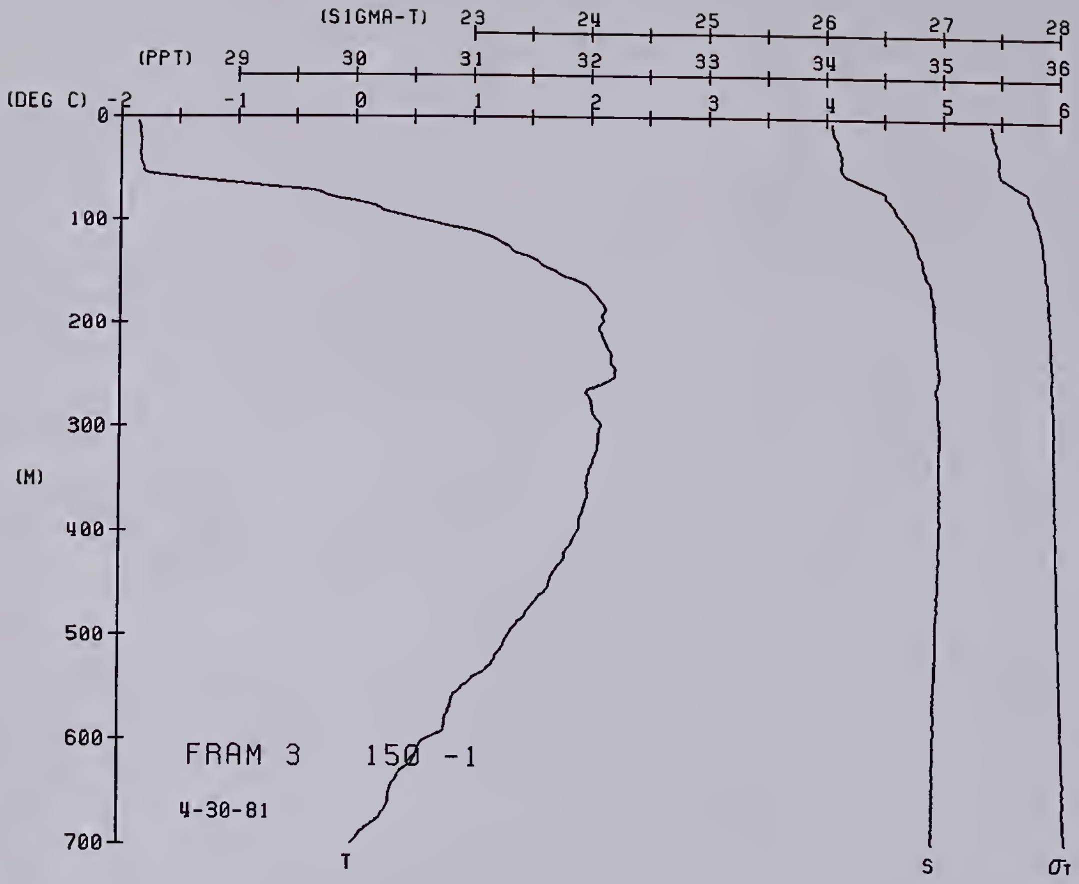
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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4-30-81
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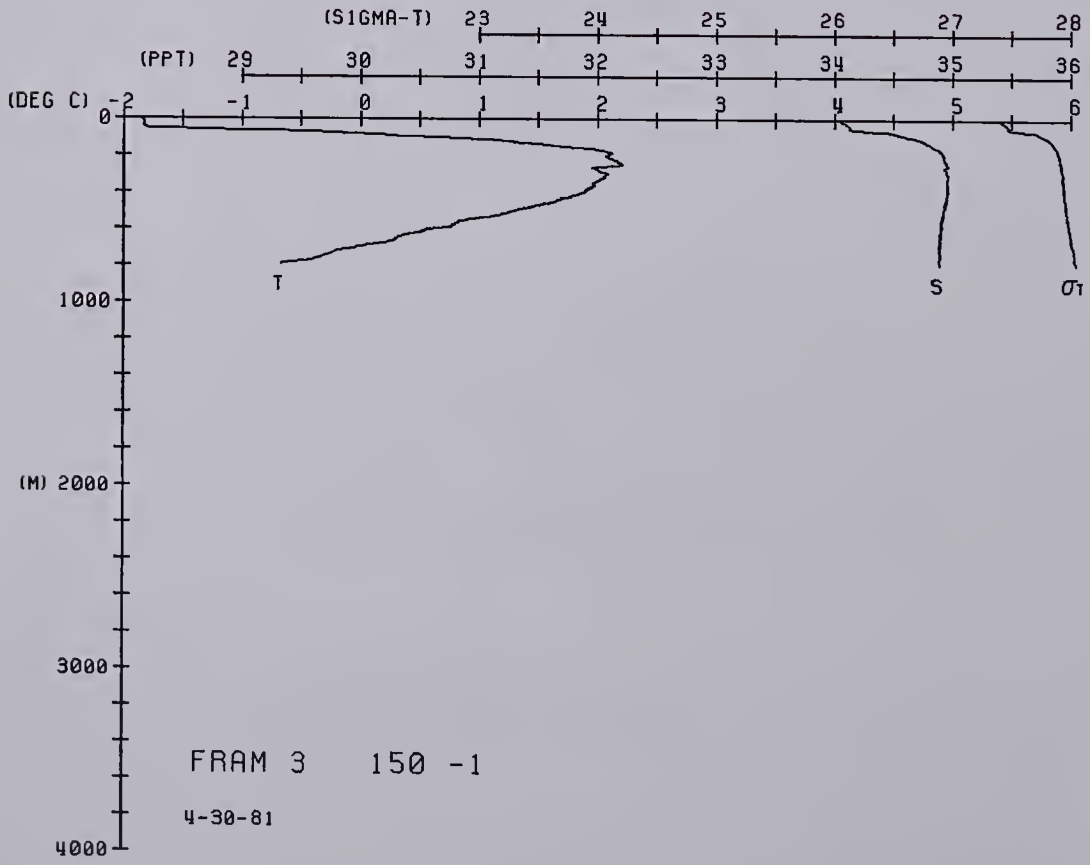
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
3000
4000
T
S
σT
FRAM 3 150 -1
4-30-81

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LAT = 82.6600N LNG =   0.1117E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.79   -1.79   32.55   26.19   181.7   0.000   1437.5
   4.0   -1.79   -1.80   32.55   26.19   181.6   0.007   1437.6
   5.0   -1.79   -1.80   32.55   26.19   181.7   0.009   1437.6
  10.0   -1.79   -1.80   32.55   26.19   181.6   0.018   1437.7
  15.0   -1.79   -1.80   32.54   26.18   182.1   0.028   1437.7
  20.0   -1.80   -1.80   32.58   26.21   179.6   0.037   1437.8
  25.0   -1.80   -1.80   32.64   26.26   174.7   0.046   1438.0
  30.0   -1.81   -1.81   32.73   26.34   167.5   0.054   1438.2
  35.0   -1.81   -1.81   32.77   26.37   164.5   0.063   1438.3
  40.0   -1.81   -1.81   32.80   26.39   162.0   0.071   1438.4
  45.0   -1.81   -1.81   32.83   26.41   159.9   0.079   1438.6
  50.0   -1.79   -1.79   32.88   26.46   155.7   0.087   1438.8
  55.0   -1.73   -1.73   33.08   26.62   140.8   0.095   1439.5
  60.0   -1.69   -1.69   33.30   26.80   123.4   0.101   1440.0
  65.0   -1.68   -1.68   33.45   26.92   112.1   0.107   1440.4
  70.0   -1.70   -1.70   33.59   27.03   101.6   0.113   1440.6
  75.0   -1.70   -1.70   33.71   27.13    91.7   0.117   1440.8
  80.0   -1.69   -1.69   33.79   27.20    85.5   0.122   1441.1
  85.0   -1.69   -1.70   33.88   27.27    78.5   0.126   1441.3
  90.0   -1.70   -1.70   33.97   27.34    72.0   0.130   1441.5
  95.0   -1.68   -1.68   34.04   27.39    66.8   0.133   1441.7
 100.0   -1.64   -1.64   34.12   27.46    60.8   0.137   1442.1
 110.0   -1.63   -1.64   34.20   27.53    54.2   0.142   1442.4
 120.0   -1.59   -1.59   34.28   27.59    48.2   0.148   1442.9
 130.0   -1.52   -1.52   34.32   27.62    45.1   0.152   1443.4
 140.0   -1.43   -1.43   34.35   27.64    43.3   0.157   1444.1
 150.0   -1.11   -1.12   34.41   27.68    39.9   0.161   1445.8
 160.0   -0.71   -0.71   34.47   27.71    36.6   0.165   1448.0
 170.0   -0.35   -0.36   34.56   27.77    32.0   0.168   1449.9
 180.0   -0.14   -0.15   34.59   27.78    30.5   0.172   1451.1
 190.0    0.33    0.33   34.65   27.80    28.8   0.175   1453.5
 200.0    0.64    0.64   34.72   27.84    25.3   0.177   1455.1
 210.0    0.83    0.82   34.76   27.86    23.3   0.180   1456.2
 220.0    1.05    1.04   34.81   27.89    21.3   0.182   1457.4
 230.0    1.21    1.19   34.84   27.91    19.6   0.184   1458.3
 240.0    1.36    1.34   34.90   27.94    16.7   0.186   1459.2
 250.0    1.39    1.38   34.92   27.95    15.5   0.187   1459.6
 260.0    1.46    1.44   34.94   27.96    14.6   0.189   1460.1
 270.0    1.38    1.37   34.94   27.97    13.7   0.190   1459.9
 280.0    1.25    1.24   34.92   27.96    14.6   0.192   1459.5
 290.0    1.31    1.30   34.94   27.98    13.1   0.193   1460.0
 300.0    1.28    1.26   34.94   27.98    13.1   0.195   1460.0
 310.0    1.19    1.17   34.95   27.99    11.6   0.196   1459.7
 320.0    1.22    1.21   34.94   27.99    12.5   0.197   1460.0
 330.0    1.23    1.21   34.97   28.00    10.8   0.198   1460.3
 340.0    1.15    1.13   34.96   28.01    10.6   0.199   1460.1
 350.0    1.06    1.05   34.96   28.01    10.0   0.200   1459.9
 360.0    1.00    0.98   34.95   28.01    10.5   0.201   1459.7
 370.0    0.94    0.93   34.95   28.01     9.9   0.202   1459.6
 380.0    0.90    0.88   34.95   28.01     9.9   0.203   1459.6
 390.0    0.89    0.87   34.95   28.01    10.1   0.204   1459.7
 400.0    0.92    0.90   34.96   28.01     9.6   0.205   1460.0
 410.0    0.93    0.91   34.96   28.02     9.4   0.206   1460.3
 420.0    0.94    0.91   34.96   28.02     9.5   0.207   1460.4
 430.0    0.91    0.89   34.96   28.02     9.3   0.208   1460.5
 440.0    0.87    0.85   34.96   28.02     8.8   0.209   1460.5
 450.0    0.85    0.83   34.96   28.03     8.7   0.210   1460.6
 460.0    0.83    0.81   34.96   28.02     8.9   0.211   1460.6
 470.0    0.81    0.79   34.95   28.02     9.2   0.212   1460.7
 480.0    0.81    0.79   34.95   28.02     9.4   0.213   1460.9
 490.0    0.82    0.79   34.97   28.03     8.1   0.214   1461.1
 499.0    0.81    0.79   34.97   28.03     8.0   0.215   1461.2
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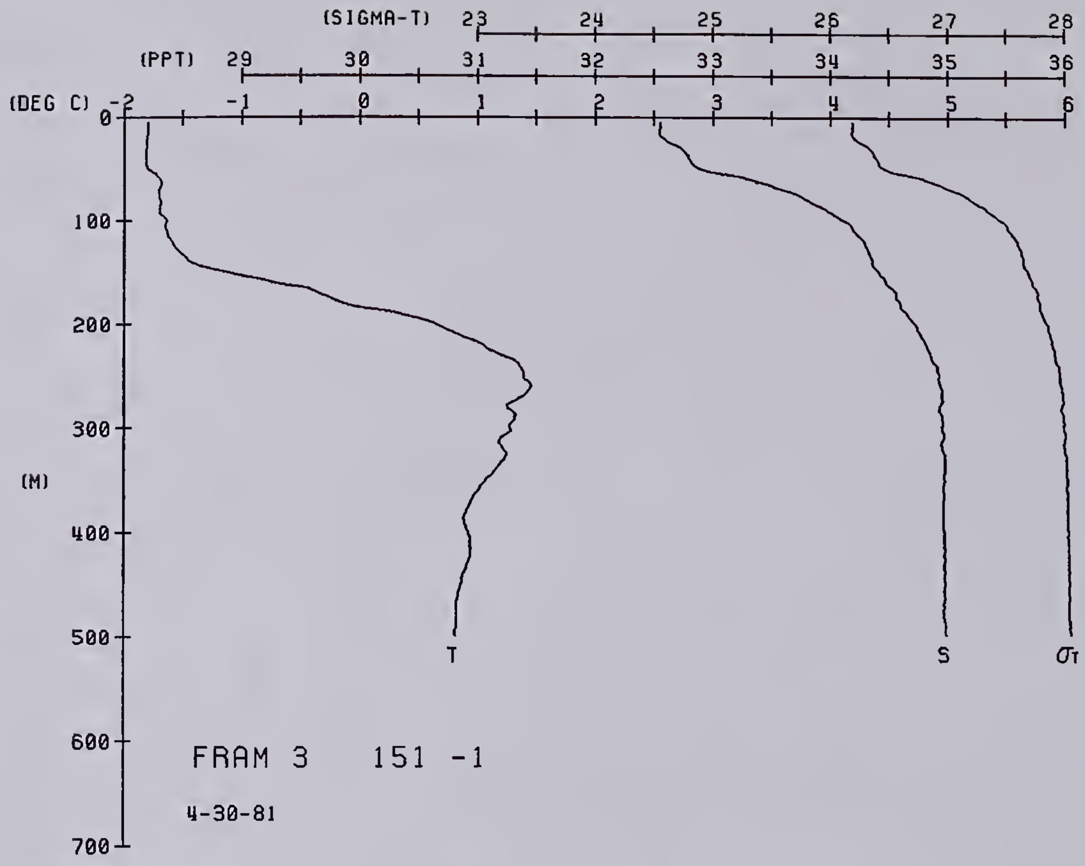
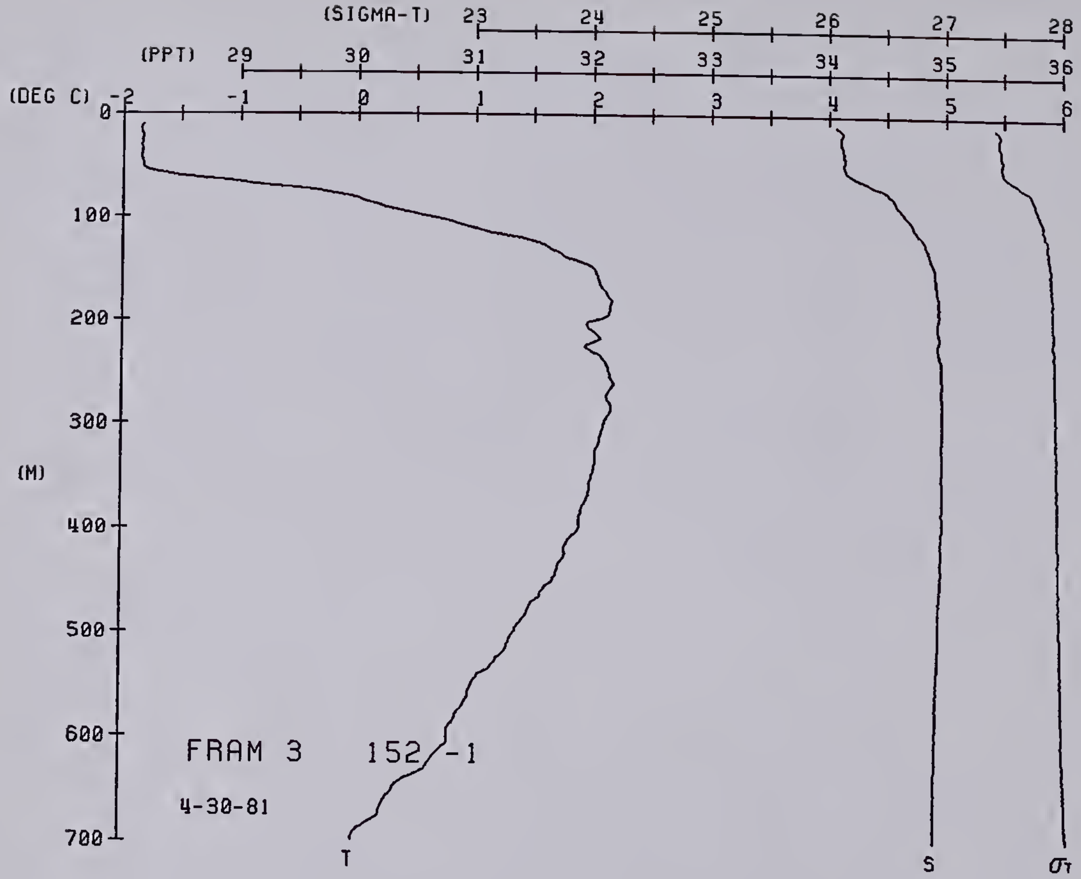


FRAM 3 151 -1

4-30-81

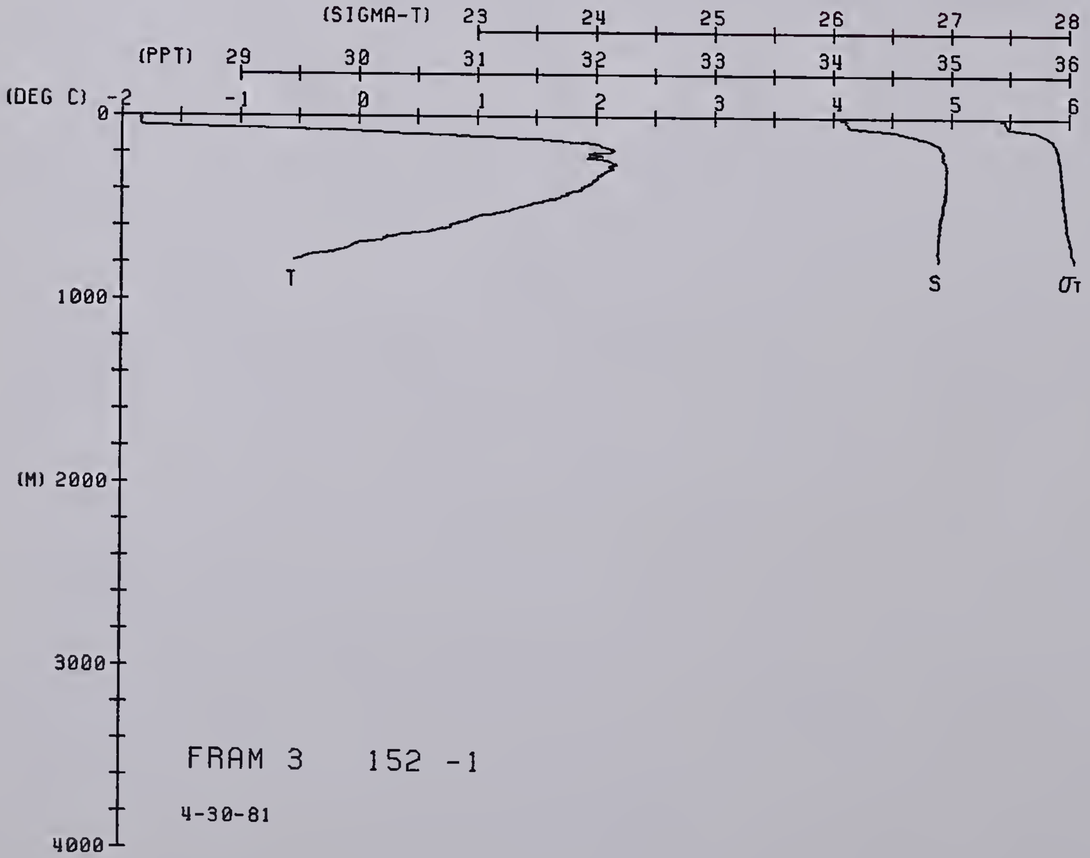
FRAM 3 STATION 152(1) CTD 30/APR/1981 1948 GMT CODE = 5
LAT = 81.8403N LNG =   5.2847E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	34.06	27.42	64.8	0.000	1439.5
5.0	-1.83	-1.83	34.06	27.42	64.8	0.003	1439.5
10.0	-1.83	-1.83	34.06	27.42	64.8	0.007	1439.6
10.9	-1.83	-1.83	34.06	27.42	64.8	0.007	1439.6
15.0	-1.85	-1.85	34.12	27.46	60.7	0.010	1439.7
20.0	-1.83	-1.83	34.10	27.45	61.7	0.013	1439.9
25.0	-1.84	-1.84	34.10	27.45	61.6	0.016	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.4	0.019	1440.0
35.0	-1.84	-1.84	34.13	27.47	59.9	0.022	1440.1
40.0	-1.84	-1.84	34.14	27.48	59.0	0.025	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.6	0.028	1440.3
50.0	-1.83	-1.83	34.14	27.48	59.1	0.031	1440.4
55.0	-1.77	-1.77	34.16	27.50	57.4	0.034	1440.8
60.0	-1.53	-1.53	34.23	27.55	52.7	0.037	1442.1
65.0	-1.13	-1.13	34.32	27.61	46.6	0.039	1444.2
70.0	-0.72	-0.72	34.43	27.68	40.3	0.042	1446.3
75.0	-0.32	-0.32	34.51	27.72	36.1	0.043	1448.4
80.0	-0.06	-0.07	34.55	27.75	33.8	0.045	1449.7
85.0	0.08	0.08	34.58	27.76	32.6	0.047	1450.5
90.0	0.24	0.24	34.61	27.78	30.8	0.048	1451.3
95.0	0.42	0.41	34.64	27.79	29.6	0.050	1452.3
100.0	0.65	0.65	34.68	27.81	27.8	0.051	1453.5
110.0	0.98	0.98	34.73	27.83	26.3	0.054	1455.2
120.0	1.40	1.40	34.81	27.86	23.6	0.057	1457.4
130.0	1.65	1.64	34.84	27.87	22.9	0.059	1458.6
140.0	1.83	1.82	34.87	27.88	21.6	0.061	1459.6
150.0	2.02	2.01	34.90	27.89	21.1	0.063	1460.7
160.0	2.05	2.05	34.91	27.89	21.0	0.066	1461.0
170.0	2.10	2.09	34.92	27.90	20.2	0.068	1461.4
180.0	2.16	2.15	34.93	27.90	20.2	0.070	1461.8
190.0	2.14	2.13	34.94	27.91	19.6	0.072	1461.9
200.0	1.97	1.96	34.93	27.91	19.2	0.074	1461.4
210.0	2.01	2.00	34.93	27.92	19.1	0.076	1461.7
220.0	2.00	1.99	34.92	27.91	19.7	0.078	1461.8
230.0	2.02	2.00	34.94	27.92	18.6	0.080	1462.1
240.0	2.11	2.10	34.95	27.93	18.4	0.081	1462.7
250.0	2.14	2.13	34.96	27.93	18.3	0.083	1463.0
260.0	2.17	2.16	34.96	27.93	18.5	0.085	1463.3
270.0	2.12	2.10	34.96	27.93	18.3	0.087	1463.2
280.0	2.15	2.13	34.97	27.93	18.0	0.089	1463.5
290.0	2.13	2.11	34.97	27.93	17.9	0.091	1463.6
300.0	2.09	2.07	34.96	27.94	17.7	0.092	1463.6
310.0	2.06	2.04	34.97	27.94	17.5	0.094	1463.6
320.0	2.04	2.02	34.96	27.94	17.7	0.096	1463.7
330.0	2.02	2.00	34.96	27.94	17.4	0.098	1463.8
340.0	2.01	1.99	34.97	27.94	17.1	0.100	1463.9
350.0	1.99	1.97	34.96	27.94	17.2	0.101	1463.9
360.0	1.97	1.95	34.97	27.95	17.0	0.103	1464.0
370.0	1.95	1.93	34.96	27.95	16.9	0.105	1464.1
380.0	1.91	1.89	34.96	27.95	16.7	0.106	1464.1
390.0	1.88	1.86	34.96	27.95	16.6	0.108	1464.2
400.0	1.88	1.86	34.96	27.95	16.7	0.110	1464.3
410.0	1.80	1.77	34.95	27.95	16.6	0.111	1464.1
420.0	1.76	1.74	34.96	27.96	16.1	0.113	1464.1
430.0	1.74	1.72	34.95	27.95	16.4	0.115	1464.2
440.0	1.70	1.68	34.95	27.96	15.9	0.116	1464.2
450.0	1.66	1.63	34.95	27.96	15.9	0.118	1464.1
460.0	1.57	1.54	34.95	27.96	15.4	0.120	1463.9
470.0	1.50	1.47	34.94	27.96	15.7	0.121	1463.8
480.0	1.45	1.43	34.93	27.96	15.7	0.123	1463.7
490.0	1.39	1.36	34.93	27.96	15.2	0.124	1463.6
500.0	1.33	1.31	34.93	27.97	14.8	0.126	1463.5
530.0	1.16	1.13	34.92	27.97	14.1	0.130	1463.2
560.0	0.95	0.93	34.91	27.98	13.5	0.134	1462.8
590.0	0.79	0.76	34.91	27.99	12.5	0.138	1462.5
620.0	0.65	0.62	34.90	27.99	12.0	0.142	1462.4
650.0	0.31	0.29	34.90	28.01	10.0	0.145	1461.4
680.0	0.14	0.11	34.90	28.01	8.8	0.148	1461.1
710.0	-0.06	-0.10	34.90	28.03	7.4	0.151	1460.7
740.0	-0.21	-0.24	34.89	28.03	6.7	0.153	1460.5
785.0	-0.56	-0.60	34.90	28.05	4.0	0.155	1459.6



FRAM 3 152 -1

4-30-81



FRAM 3 152 -1

4-30-81

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 FRAM 3  STATION 153(1) CTD   1/MAY/1981 1025 GMT  CODE = 5
LAT = 81.8205N LNG =    5.1882E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

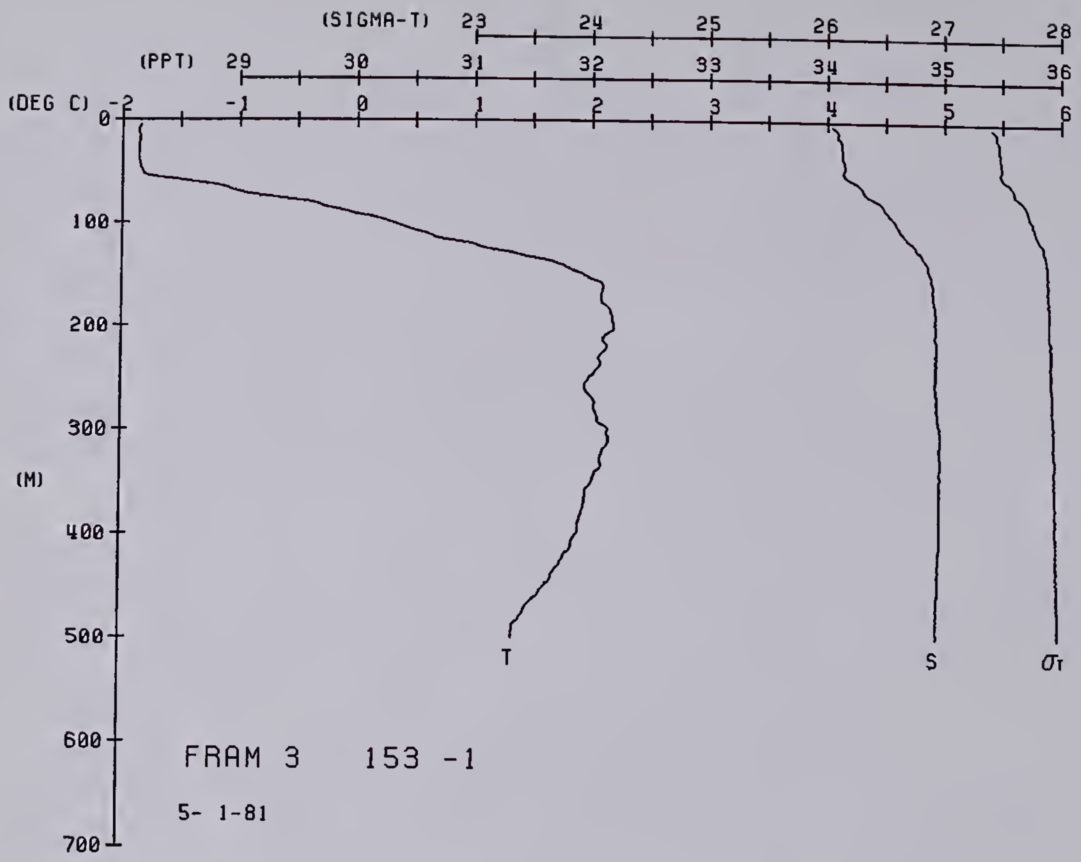
 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.84   -1.84   34.03   27.39    67.8   0.000   1439.4
    4.0  -1.84   -1.84   34.03   27.39    67.8   0.003   1439.4
    5.0  -1.85   -1.85   34.04   27.40    66.4   0.003   1439.4
   10.0  -1.86   -1.86   34.09   27.45    62.5   0.007   1439.6
   15.0  -1.85   -1.85   34.09   27.44    62.7   0.010   1439.7
   20.0  -1.85   -1.85   34.12   27.47    60.2   0.013   1439.8
   25.0  -1.86   -1.86   34.12   27.47    60.2   0.016   1439.8
   30.0  -1.86   -1.86   34.13   27.47    59.7   0.019   1439.9
   35.0  -1.86   -1.86   34.13   27.48    59.4   0.022   1440.0
   40.0  -1.85   -1.85   34.15   27.49    58.2   0.025   1440.1
   45.0  -1.84   -1.84   34.15   27.49    58.3   0.028   1440.3
   50.0  -1.83   -1.83   34.14   27.48    58.8   0.031   1440.4
   55.0  -1.75   -1.75   34.18   27.51    56.0   0.034   1440.9
   60.0  -1.41   -1.41   34.26   27.57    50.8   0.037   1442.7
   65.0  -1.13   -1.14   34.30   27.59    48.5   0.039   1444.2
   70.0  -0.99   -0.99   34.33   27.61    46.9   0.041   1444.9
   75.0  -0.74   -0.74   34.40   27.66    42.2   0.044   1446.3
   80.0  -0.38   -0.39   34.46   27.69    39.0   0.046   1448.1
   85.0  -0.23   -0.24   34.49   27.71    37.4   0.048   1448.9
   90.0  -0.04   -0.04   34.53   27.73    35.8   0.050   1450.0
   95.0   0.17    0.16   34.57   27.75    33.9   0.051   1451.0
  100.0   0.32    0.32   34.60   27.76    32.5   0.053   1451.9
  110.0   0.60    0.59   34.66   27.80    29.4   0.056   1453.4
  120.0   0.99    0.99   34.75   27.84    25.0   0.059   1455.4
  130.0   1.40    1.39   34.81   27.86    23.3   0.061   1457.5
  140.0   1.76    1.75   34.86   27.88    22.4   0.064   1459.3
  150.0   1.95    1.94   34.88   27.88    22.1   0.066   1460.4
  160.0   2.10    2.09   34.90   27.88    21.9   0.068   1461.2
  170.0   2.08    2.07   34.90   27.89    21.6   0.070   1461.3
  180.0   2.14    2.13   34.92   27.89    21.1   0.072   1461.7
  190.0   2.17    2.16   34.93   27.90    20.8   0.075   1462.1
  200.0   2.19    2.17   34.93   27.90    20.6   0.077   1462.3
  210.0   2.10    2.09   34.92   27.90    20.5   0.079   1462.1
  220.0   2.12    2.11   34.93   27.91    20.1   0.081   1462.3
  230.0   2.06    2.05   34.93   27.91    19.7   0.083   1462.2
  240.0   2.05    2.03   34.93   27.91    19.9   0.085   1462.3
  250.0   1.97    1.95   34.92   27.91    19.7   0.087   1462.1
  260.0   1.95    1.94   34.92   27.91    19.4   0.089   1462.2
  270.0   2.02    2.00   34.94   27.92    19.1   0.091   1462.7
  280.0   2.03    2.01   34.94   27.92    19.2   0.093   1462.9
  290.0   2.05    2.04   34.95   27.93    18.6   0.095   1463.2
  300.0   2.13    2.12   34.96   27.93    18.3   0.096   1463.8
  310.0   2.14    2.12   34.96   27.93    18.2   0.098   1464.0
  320.0   2.09    2.07   34.96   27.93    18.2   0.100   1463.9
  330.0   2.08    2.06   34.96   27.94    17.8   0.102   1464.0
  340.0   2.03    2.01   34.96   27.94    17.9   0.104   1464.0
  350.0   1.99    1.97   34.96   27.94    17.8   0.106   1464.0
  360.0   1.95    1.93   34.96   27.94    17.5   0.107   1463.9
  370.0   1.94    1.92   34.95   27.94    17.5   0.109   1464.1
  380.0   1.91    1.89   34.96   27.94    17.3   0.111   1464.1
  390.0   1.89    1.87   34.96   27.95    17.1   0.113   1464.2
  400.0   1.86    1.84   34.95   27.95    17.2   0.114   1464.2
  410.0   1.83    1.81   34.96   27.95    16.7   0.116   1464.3
  420.0   1.77    1.74   34.95   27.95    16.5   0.118   1464.1
  430.0   1.71    1.69   34.95   27.95    16.6   0.119   1464.1
  440.0   1.66    1.63   34.94   27.95    16.5   0.121   1464.0
  450.0   1.59    1.57   34.94   27.95    16.3   0.123   1463.8
  460.0   1.53    1.50   34.94   27.96    15.9   0.124   1463.7
  470.0   1.44    1.42   34.93   27.96    15.6   0.126   1463.5
  480.0   1.39    1.36   34.93   27.96    15.2   0.128   1463.4
  490.0   1.34    1.31   34.93   27.96    15.2   0.129   1463.3
  500.0   1.33    1.30   34.93   27.97    15.0   0.131   1463.5
  500.0   1.33    1.30   34.93   27.97    15.0   0.131   1463.5
```

```
 FRAM 3  STATION 154(1) CTD   1/MAY/1981 1028 GMT  CODE = 5
LAT = 81.8205N LNG =    5.1882E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

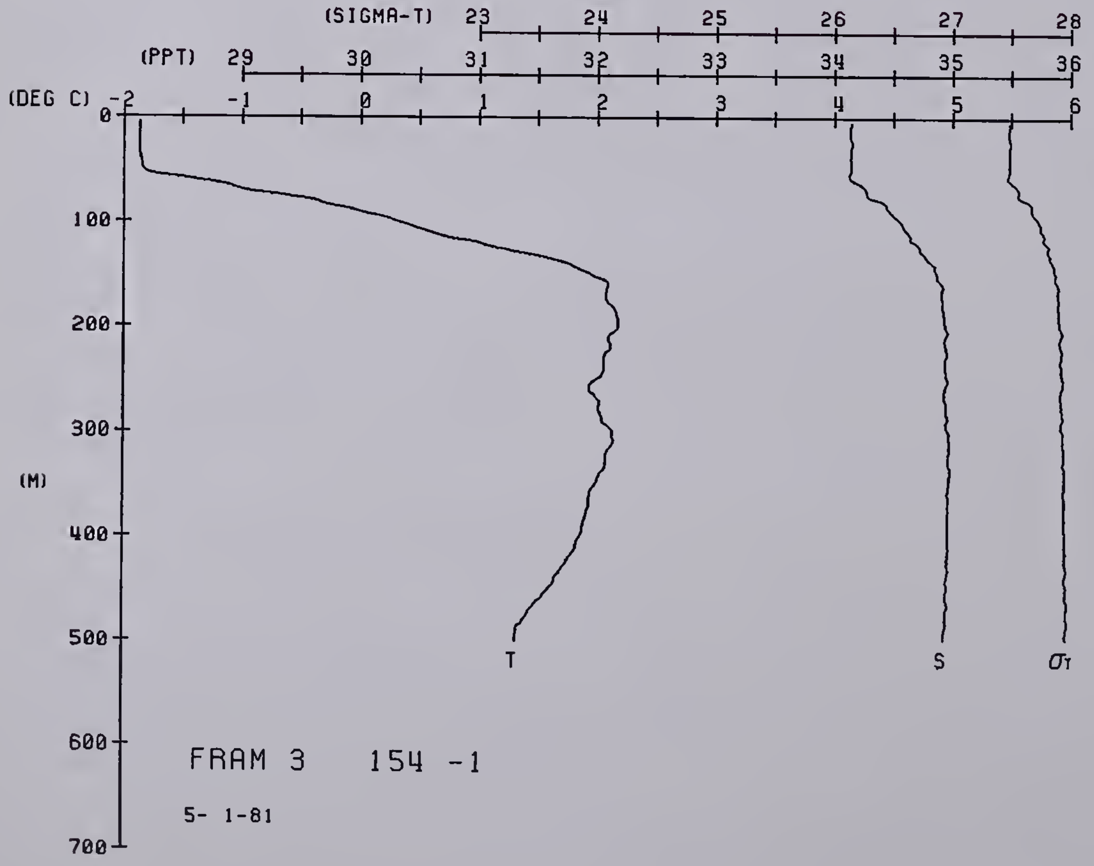
DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.87   -1.87   34.14   27.49    58.7   0.000   1439.4
   4.0  -1.87   -1.87   34.14   27.49    58.7   0.002   1439.5
   5.0  -1.87   -1.87   34.14   27.49    58.8   0.003   1439.5
  10.0  -1.87   -1.87   34.14   27.48    59.1   0.006   1439.6
  15.0  -1.87   -1.87   34.13   27.48    59.3   0.009   1439.6
  20.0  -1.87   -1.87   34.14   27.48    58.7   0.012   1439.7
  25.0  -1.87   -1.87   34.15   27.49    58.1   0.015   1439.8
  30.0  -1.87   -1.87   34.14   27.48    58.7   0.018   1439.9
  35.0  -1.87   -1.87   34.14   27.48    58.8   0.021   1440.0
  40.0  -1.85   -1.85   34.14   27.48    58.8   0.024   1440.1
  45.0  -1.85   -1.85   34.14   27.48    58.8   0.027   1440.2
  50.0  -1.83   -1.83   34.14   27.48    58.7   0.030   1440.4
  55.0  -1.73   -1.73   34.13   27.47    59.7   0.033   1441.0
  60.0  -1.39   -1.39   34.16   27.49    58.5   0.036   1442.7
  65.0  -1.13   -1.13   34.24   27.54    53.4   0.039   1444.1
  70.0  -0.96   -0.97   34.27   27.56    51.3   0.041   1445.0
  75.0  -0.65   -0.66   34.28   27.56    51.8   0.044   1446.5
  80.0  -0.37   -0.37   34.40   27.64    43.7   0.046   1448.1
  85.0  -0.20   -0.20   34.44   27.67    41.4   0.048   1449.0
  90.0   0.00    0.00   34.47   27.68    40.2   0.050   1450.1
  95.0   0.19    0.19   34.52   27.71    37.9   0.052   1451.1
 100.0   0.33    0.33   34.57   27.74    34.7   0.054   1451.9
 110.0   0.61    0.60   34.63   27.77    31.9   0.058   1453.4
 120.0   1.01    1.00   34.70   27.80    29.3   0.061   1455.4
 130.0   1.43    1.42   34.76   27.82    27.3   0.064   1457.6
 140.0   1.77    1.76   34.84   27.86    23.8   0.066   1459.4
 150.0   1.95    1.95   34.88   27.88    22.6   0.068   1460.4
 160.0   2.09    2.08   34.92   27.90    20.3   0.071   1461.2
 170.0   2.08    2.07   34.91   27.89    21.1   0.073   1461.3
 180.0   2.13    2.12   34.92   27.90    20.7   0.075   1461.7
 190.0   2.17    2.15   34.93   27.90    20.3   0.077   1462.0
 200.0   2.17    2.16   34.95   27.91    19.3   0.079   1462.3
 210.0   2.10    2.08   34.94   27.92    18.9   0.081   1462.1
 220.0   2.11    2.10   34.95   27.92    18.6   0.083   1462.3
 230.0   2.06    2.05   34.95   27.92    18.5   0.085   1462.2
 240.0   2.06    2.04   34.94   27.92    18.7   0.086   1462.4
 250.0   1.99    1.98   34.96   27.94    16.9   0.088   1462.3
 260.0   1.93    1.92   34.94   27.93    18.2   0.090   1462.2
 270.0   2.02    2.00   34.94   27.92    18.7   0.092   1462.7
 280.0   2.02    2.00   34.95   27.93    18.0   0.094   1462.9
 290.0   2.05    2.03   34.96   27.94    17.7   0.096   1463.2
 300.0   2.13    2.11   34.97   27.94    17.3   0.097   1463.8
 310.0   2.13    2.11   34.98   27.94    17.0   0.099   1463.9
 320.0   2.08    2.06   34.98   27.95    16.8   0.101   1463.9
 330.0   2.07    2.06   34.97   27.95    17.0   0.103   1464.0
 340.0   2.02    2.00   34.99   27.96    15.6   0.104   1464.0
 350.0   1.98    1.96   34.98   27.96    15.8   0.106   1464.0
 360.0   1.94    1.92   34.97   27.95    16.5   0.107   1463.9
 370.0   1.93    1.91   34.97   27.96    16.1   0.109   1464.0
 380.0   1.90    1.88   34.97   27.96    15.9   0.111   1464.1
 390.0   1.88    1.86   34.97   27.96    15.9   0.112   1464.2
 400.0   1.86    1.83   34.98   27.96    15.4   0.114   1464.2
 410.0   1.83    1.80   34.98   27.97    15.2   0.115   1464.3
 420.0   1.76    1.74   34.97   27.97    15.1   0.117   1464.1
 430.0   1.70    1.68   34.97   27.97    14.5   0.118   1464.0
 440.0   1.65    1.63   34.96   27.97    15.0   0.120   1464.0
 450.0   1.59    1.56   34.97   27.98    14.1   0.121   1463.9
 460.0   1.52    1.49   34.96   27.98    14.0   0.123   1463.7
 470.0   1.43    1.41   34.96   27.99    13.2   0.124   1463.5
 480.0   1.38    1.36   34.96   27.98    13.3   0.126   1463.4
 490.0   1.33    1.30   34.95   27.98    13.7   0.127   1463.3
 500.0   1.32    1.29   34.95   27.98    13.6   0.128   1463.5
 500.0   1.32    1.29   34.95   27.98    13.6   0.128   1463.5
```



FRAM 3   153 -1

5- 1-81



FRAM 3   154 -1

5- 1-81

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                                  FRAM 3  STATION 155(1) CTD   1/MAY/1981 1111 GMT  CODE = 5
                                  LAT = 81.8202N LNG =   5.1898E LTER =   30. LGER =   30.
                                  AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND        DEPTH   TEMP  PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

  0.0  -1.84  -1.84  34.01  27.38   69.0  0.000 1439.4        710.0  -0.11  -0.14  34.89  28.02    7.4  0.154 1460.5
  4.0  -1.84  -1.84  34.01  27.38   69.0  0.003 1439.4        740.0  -0.24  -0.27  34.89  28.03    6.4  0.156 1460.4
  5.0  -1.84  -1.84  34.04  27.40   66.6  0.003 1439.5        777.1  -0.35  -0.38  34.90  28.04    5.3  0.158 1460.5
 10.0  -1.85  -1.85  34.08  27.44   63.4  0.007 1439.6
 15.0  -1.86  -1.86  34.12  27.47   60.2  0.010 1439.7
 20.0  -1.86  -1.86  34.13  27.48   59.4  0.013 1439.8
 25.0  -1.85  -1.85  34.12  27.47   60.1  0.016 1439.9
 30.0  -1.85  -1.85  34.14  27.48   58.6  0.019 1440.0
 35.0  -1.85  -1.85  34.13  27.48   59.2  0.022 1440.0
 40.0  -1.85  -1.85  34.14  27.49   58.5  0.025 1440.1
 45.0  -1.84  -1.84  34.15  27.49   58.1  0.028 1440.3
 50.0  -1.80  -1.80  34.16  27.50   57.5  0.031 1440.6
 55.0  -1.54  -1.55  34.23  27.55   52.7  0.034 1442.0
 60.0  -1.14  -1.14  34.30  27.59   48.5  0.036 1444.0
 65.0  -0.96  -0.96  34.32  27.60   47.4  0.039 1445.0
 70.0  -0.81  -0.82  34.36  27.63   44.9  0.041 1445.8
 75.0  -0.54  -0.54  34.45  27.69   39.6  0.043 1447.3
 80.0  -0.32  -0.32  34.48  27.70   38.4  0.045 1448.4
 85.0  -0.07  -0.08  34.53  27.73   35.8  0.047 1449.7
 90.0   0.18   0.18  34.57  27.75   33.9  0.049 1451.0
 95.0   0.30   0.29  34.60  27.76   32.4  0.050 1451.7
100.0   0.41   0.40  34.62  27.78   31.3  0.052 1452.3
110.0   0.63   0.62  34.67  27.80   28.9  0.055 1453.5
120.0   0.83   0.82  34.72  27.83   26.0  0.058 1454.7
130.0   1.35   1.34  34.81  27.87   23.2  0.060 1457.3
140.0   1.75   1.74  34.86  27.88   22.1  0.062 1459.3
150.0   2.00   2.00  34.90  27.89   21.2  0.065 1460.6
160.0   2.09   2.08  34.90  27.89   21.5  0.067 1461.2
170.0   2.09   2.08  34.91  27.89   21.2  0.069 1461.3
180.0   2.15   2.14  34.93  27.90   20.4  0.071 1461.8
190.0   2.17   2.16  34.93  27.90   20.8  0.073 1462.1
200.0   2.15   2.14  34.93  27.90   20.7  0.075 1462.1
210.0   2.14   2.13  34.93  27.90   20.3  0.077 1462.3
220.0   2.10   2.09  34.93  27.91   19.8  0.079 1462.3
230.0   2.05   2.03  34.93  27.91   19.3  0.081 1462.2
240.0   2.04   2.03  34.93  27.92   19.3  0.083 1462.3
250.0   1.97   1.95  34.93  27.92   19.3  0.085 1462.1
260.0   2.00   1.99  34.94  27.92   18.9  0.087 1462.5
270.0   2.02   2.00  34.94  27.93   18.5  0.089 1462.7
280.0   2.07   2.06  34.95  27.93   18.5  0.091 1463.1
290.0   2.09   2.07  34.96  27.93   18.0  0.093 1463.4
300.0   2.14   2.12  34.97  27.93   17.9  0.095 1463.8
310.0   2.13   2.11  34.97  27.93   18.0  0.096 1463.9
320.0   2.08   2.06  34.96  27.94   17.7  0.098 1463.8
330.0   2.08   2.06  34.96  27.94   17.9  0.100 1464.0
340.0   2.02   2.00  34.96  27.94   17.6  0.102 1463.9
350.0   1.99   1.97  34.96  27.94   17.7  0.104 1464.0
360.0   1.95   1.93  34.96  27.94   17.5  0.105 1463.9
370.0   1.93   1.91  34.96  27.95   17.0  0.107 1464.0
380.0   1.91   1.89  34.96  27.95   16.9  0.109 1464.1
390.0   1.90   1.88  34.96  27.95   16.9  0.111 1464.2
400.0   1.83   1.81  34.96  27.95   16.7  0.112 1464.1
410.0   1.81   1.79  34.95  27.95   16.7  0.114 1464.2
420.0   1.77   1.74  34.95  27.95   16.7  0.116 1464.1
430.0   1.70   1.68  34.95  27.96   16.2  0.117 1464.0
440.0   1.65   1.63  34.95  27.96   16.1  0.119 1464.0
450.0   1.61   1.58  34.94  27.96   16.1  0.121 1463.9
460.0   1.55   1.52  34.94  27.96   15.9  0.122 1463.8
470.0   1.46   1.43  34.94  27.96   15.4  0.124 1463.6
480.0   1.40   1.38  34.93  27.96   15.2  0.125 1463.5
490.0   1.38   1.35  34.93  27.96   15.2  0.127 1463.5
500.0   1.35   1.33  34.93  27.96   15.2  0.128 1463.6
530.0   1.13   1.11  34.92  27.97   14.5  0.133 1463.1
560.0   0.98   0.95  34.91  27.98   13.5  0.137 1462.9
590.0   0.79   0.77  34.90  27.98   13.1  0.141 1462.6
620.0   0.65   0.62  34.90  27.99   12.2  0.145 1462.4
650.0   0.38   0.35  34.90  28.00   10.5  0.149 1461.7
680.0   0.21   0.18  34.89  28.01    9.5  0.152 1461.4
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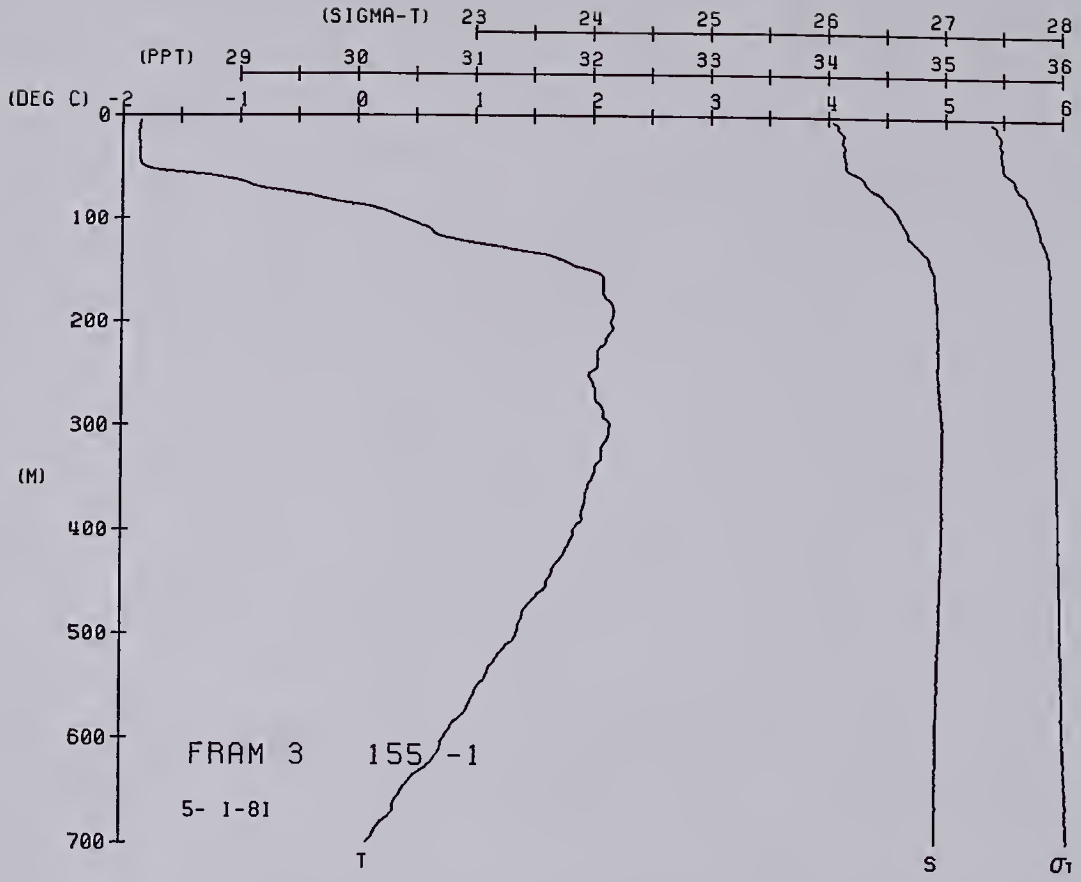
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600
700
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5- 1-81
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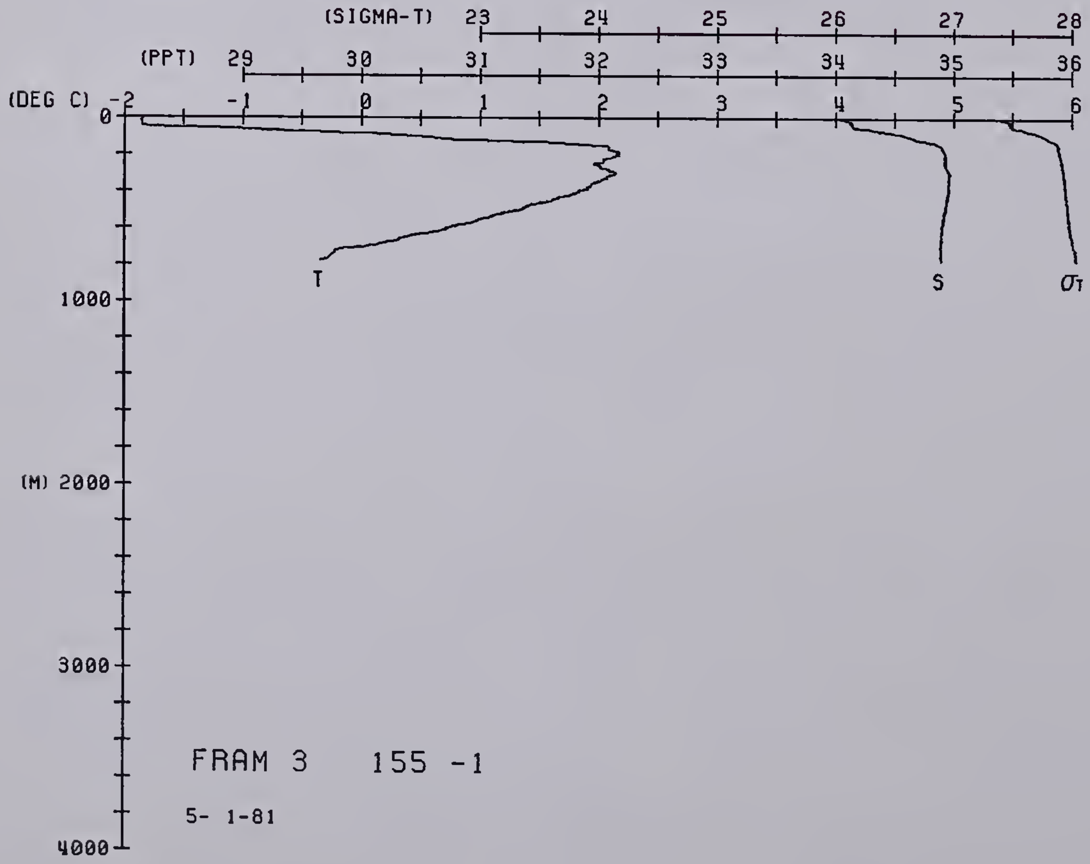
S
σT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5- 1-81
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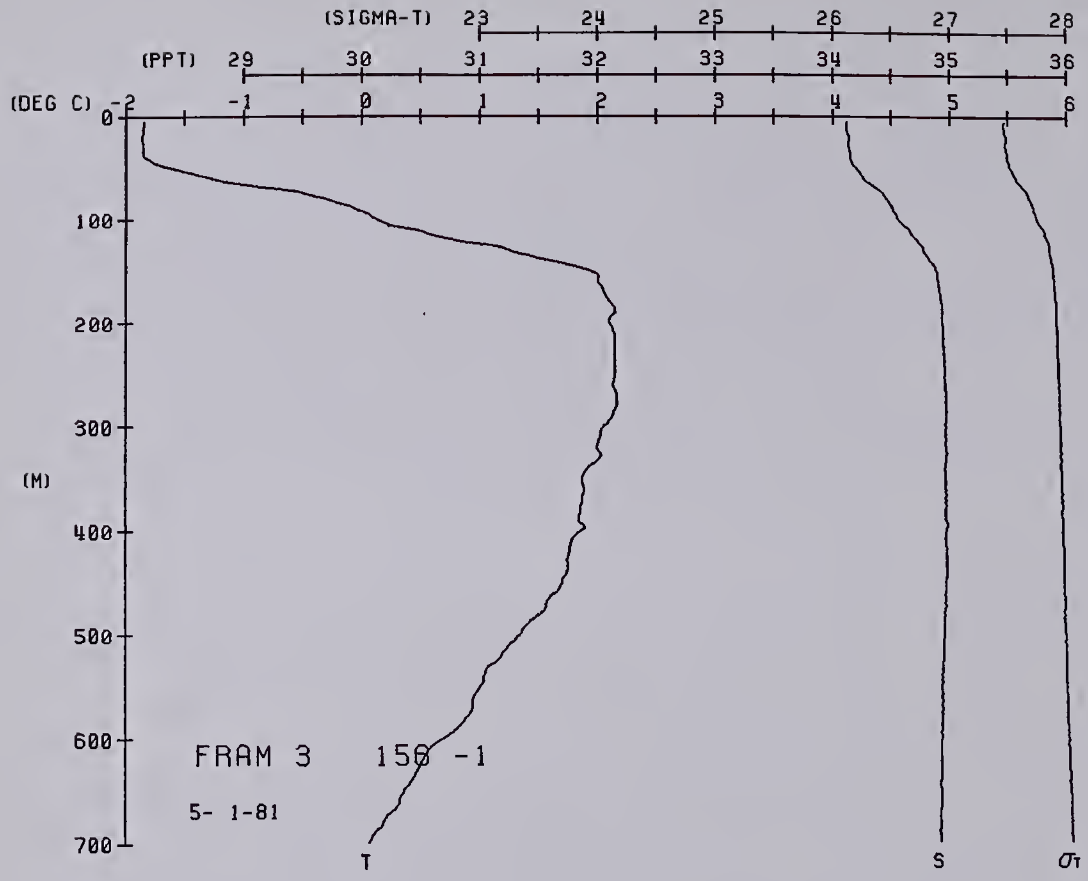
FRAM 3 STATION 156(1) CTD 1/MAY/1981 1502 GMT CODE = 5
LAT = 81.8155N LNG = 5.1745E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.13	27.47	59.9	0.000	1439.5
4.0	-1.85	-1.85	34.13	27.47	59.9	0.002	1439.6
5.0	-1.85	-1.85	34.12	27.47	60.3	0.003	1439.6
10.0	-1.85	-1.85	34.12	27.47	60.3	0.006	1439.6
15.0	-1.85	-1.85	34.13	27.47	60.0	0.009	1439.7
20.0	-1.86	-1.86	34.14	27.49	58.5	0.012	1439.8
25.0	-1.85	-1.85	34.14	27.48	59.0	0.015	1439.9
30.0	-1.85	-1.85	34.14	27.48	59.1	0.018	1440.0
35.0	-1.85	-1.85	34.15	27.49	58.2	0.021	1440.1
40.0	-1.83	-1.83	34.15	27.49	57.9	0.024	1440.3
45.0	-1.75	-1.75	34.17	27.51	56.6	0.027	1440.8
50.0	-1.61	-1.61	34.20	27.52	55.0	0.030	1441.5
55.0	-1.44	-1.44	34.24	27.55	52.5	0.032	1442.5
60.0	-1.27	-1.27	34.27	27.57	50.7	0.035	1443.4
65.0	-1.08	-1.08	34.31	27.59	48.3	0.038	1444.4
70.0	-0.72	-0.72	34.38	27.64	43.9	0.040	1446.3
75.0	-0.48	-0.48	34.43	27.67	41.5	0.042	1447.5
80.0	-0.31	-0.32	34.46	27.68	39.7	0.044	1448.4
85.0	-0.16	-0.17	34.49	27.70	38.0	0.046	1449.3
90.0	-0.04	-0.04	34.51	27.72	36.9	0.048	1449.9
95.0	0.06	0.06	34.54	27.73	35.2	0.050	1450.5
100.0	0.13	0.12	34.56	27.74	34.2	0.051	1450.9
110.0	0.44	0.44	34.66	27.80	28.7	0.055	1452.7
120.0	0.77	0.76	34.72	27.83	26.0	0.057	1454.4
130.0	1.25	1.25	34.77	27.85	25.0	0.060	1456.8
140.0	1.59	1.59	34.83	27.87	23.2	0.062	1458.5
150.0	1.94	1.93	34.88	27.88	21.9	0.065	1460.3
160.0	2.00	1.99	34.89	27.89	21.7	0.067	1460.8
170.0	2.05	2.05	34.90	27.89	21.3	0.069	1461.2
180.0	2.11	2.10	34.92	27.90	20.6	0.071	1461.6
190.0	2.14	2.13	34.93	27.90	20.3	0.073	1461.9
200.0	2.10	2.09	34.93	27.91	20.1	0.075	1461.9
210.0	2.14	2.13	34.94	27.91	19.8	0.077	1462.3
220.0	2.14	2.13	34.94	27.91	19.9	0.079	1462.4
230.0	2.14	2.13	34.94	27.91	19.5	0.081	1462.6
240.0	2.14	2.13	34.94	27.91	19.4	0.083	1462.8
250.0	2.14	2.13	34.95	27.92	19.3	0.085	1462.9
260.0	2.13	2.12	34.95	27.92	18.9	0.087	1463.1
270.0	2.16	2.14	34.96	27.93	18.5	0.089	1463.4
280.0	2.15	2.14	34.96	27.93	18.7	0.091	1463.5
290.0	2.12	2.10	34.96	27.93	18.5	0.093	1463.5
300.0	2.05	2.03	34.95	27.93	18.3	0.095	1463.4
310.0	2.02	2.00	34.95	27.93	18.1	0.097	1463.4
320.0	1.99	1.97	34.96	27.94	17.7	0.098	1463.5
330.0	2.02	2.00	34.96	27.94	17.8	0.100	1463.7
340.0	1.91	1.89	34.95	27.94	17.7	0.102	1463.4
350.0	1.87	1.85	34.95	27.94	17.3	0.104	1463.4
360.0	1.88	1.86	34.95	27.94	17.1	0.105	1463.6
370.0	1.86	1.84	34.95	27.95	16.9	0.107	1463.7
380.0	1.85	1.82	34.95	27.94	17.1	0.109	1463.8
390.0	1.83	1.81	34.96	27.95	16.6	0.111	1463.9
400.0	1.86	1.84	34.96	27.95	16.9	0.112	1464.2
410.0	1.77	1.75	34.95	27.95	16.7	0.114	1464.0
420.0	1.75	1.73	34.95	27.95	16.3	0.116	1464.1
430.0	1.74	1.72	34.95	27.96	16.2	0.117	1464.2
440.0	1.73	1.71	34.96	27.96	16.1	0.119	1464.3
450.0	1.69	1.66	34.95	27.96	16.2	0.121	1464.3
460.0	1.63	1.61	34.95	27.96	16.0	0.122	1464.2
470.0	1.56	1.53	34.94	27.96	15.6	0.124	1464.0
480.0	1.50	1.48	34.94	27.96	15.6	0.125	1463.9
490.0	1.39	1.37	34.93	27.96	15.3	0.127	1463.6
500.0	1.33	1.31	34.93	27.97	14.7	0.129	1463.5
530.0	1.07	1.04	34.92	27.98	13.9	0.133	1462.8
560.0	0.94	0.91	34.91	27.98	13.4	0.137	1462.7
590.0	0.80	0.77	34.91	27.98	12.7	0.141	1462.6
620.0	0.51	0.48	34.90	28.00	11.1	0.145	1461.8
650.0	0.35	0.32	34.90	28.01	10.1	0.148	1461.6
680.0	0.18	0.15	34.89	28.01	9.2	0.151	1461.3
710.0	-0.02	-0.05	34.90	28.02	7.7	0.153	1460.9
740.0	-0.19	-0.22	34.90	28.04	5.9	0.155	1460.6
790.0	-0.22	-0.26	34.91	28.04	5.3	0.158	1461.3
794.9	-0.23	-0.26	34.91	28.04	5.2	0.158	1461.4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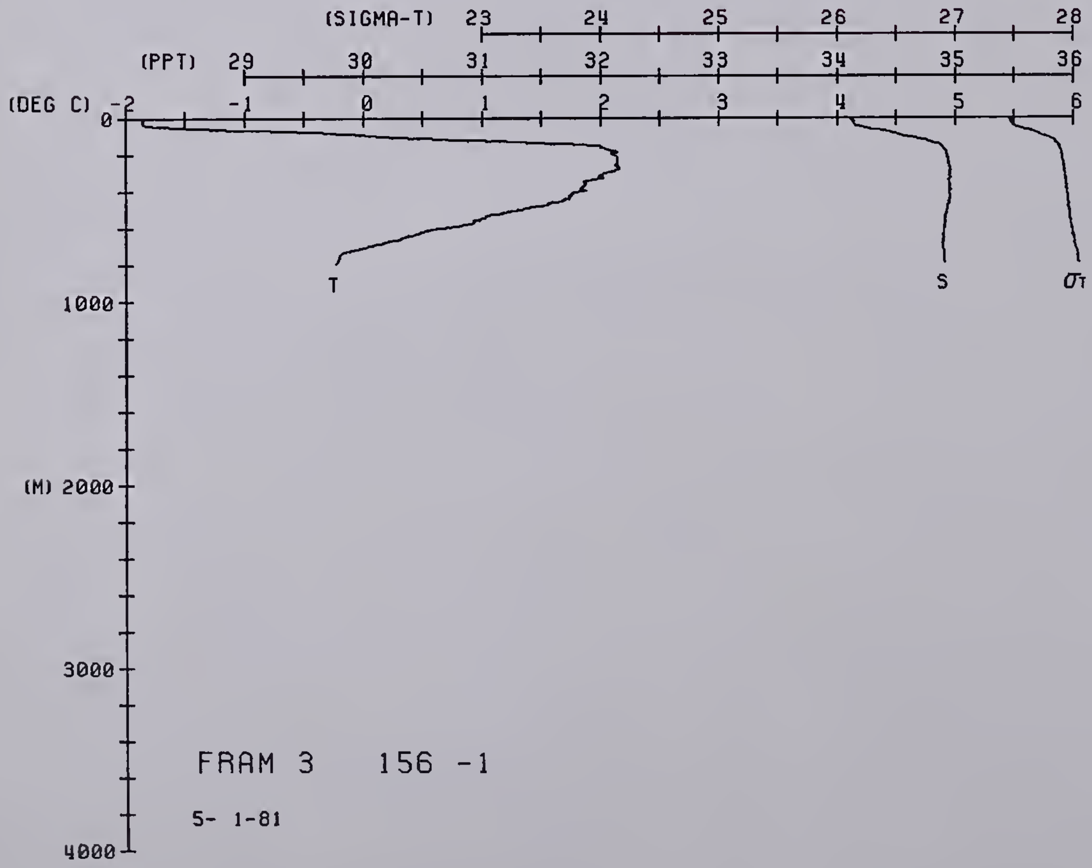
5- 1-81
T
S
σT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σT
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(M) 2000
3000
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5- 1-81
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FRAM 3  STATION 157(1) CTD   1/MAY/1981 2008 GMT  CODE = 5
LAT = 81.8005N LNG =    5.1205E LTER =    30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0
```

```
DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -1.75  -1.75   33.99   27.36    70.9   0.000  1439.8
  4.0  -1.75  -1.75   33.99   27.36    70.9   0.003  1439.8
  5.0  -1.77  -1.77   34.00   27.37    69.7   0.004  1439.8
 10.0  -1.84  -1.84   34.08   27.43    63.5   0.007  1439.6
 15.0  -1.84  -1.84   34.10   27.45    61.8   0.010  1439.7
 20.0  -1.84  -1.84   34.11   27.46    61.2   0.013  1439.8
 25.0  -1.85  -1.85   34.14   27.48    58.8   0.016  1439.9
 30.0  -1.85  -1.85   34.15   27.49    58.4   0.019  1440.0
 35.0  -1.85  -1.85   34.15   27.49    57.9   0.022  1440.1
 40.0  -1.85  -1.85   34.14   27.48    58.6   0.025  1440.2
 45.0  -1.82  -1.82   34.15   27.49    57.8   0.028  1440.4
 50.0  -1.74  -1.75   34.16   27.50    57.2   0.031  1440.8
 55.0  -1.48  -1.48   34.23   27.55    52.7   0.034  1442.3
 60.0  -1.08  -1.08   34.32   27.60    47.2   0.036  1444.3
 65.0  -0.65  -0.65   34.41   27.66    42.3   0.039  1446.5
 70.0  -0.43  -0.44   34.44   27.67    40.9   0.041  1447.7
 75.0  -0.37  -0.37   34.44   27.67    41.1   0.043  1448.1
 80.0  -0.33  -0.33   34.45   27.68    40.6   0.045  1448.4
 85.0  -0.12  -0.12   34.51   27.71    37.1   0.047  1449.5
 90.0   0.09   0.09   34.57   27.75    33.5   0.048  1450.6
 95.0   0.20   0.19   34.60   27.77    31.5   0.050  1451.2
100.0   0.45   0.44   34.65   27.80    29.2   0.052  1452.5
110.0   1.03   1.03   34.74   27.84    25.8   0.054  1455.4
120.0   1.31   1.30   34.79   27.86    24.1   0.057  1456.9
130.0   1.58   1.58   34.83   27.87    23.1   0.059  1458.3
140.0   1.66   1.65   34.84   27.87    23.2   0.062  1458.8
150.0   1.85   1.84   34.88   27.89    21.5   0.064  1459.9
160.0   2.06   2.05   34.90   27.89    21.3   0.066  1461.1
170.0   2.10   2.09   34.92   27.90    20.9   0.068  1461.4
180.0   2.12   2.11   34.92   27.89    21.1   0.070  1461.7
190.0   2.09   2.08   34.92   27.90    20.8   0.073  1461.7
200.0   2.12   2.11   34.93   27.91    20.0   0.075  1462.0
210.0   2.15   2.14   34.94   27.91    20.0   0.077  1462.3
220.0   2.16   2.15   34.94   27.91    20.1   0.079  1462.5
230.0   2.16   2.15   34.94   27.91    19.8   0.081  1462.7
240.0   2.13   2.12   34.95   27.92    19.2   0.083  1462.8
250.0   2.28   2.26   34.97   27.93    18.6   0.085  1463.6
260.0   2.26   2.25   34.97   27.92    18.8   0.086  1463.7
270.0   2.26   2.24   34.97   27.92    18.9   0.088  1463.8
280.0   2.25   2.23   34.97   27.93    18.2   0.090  1464.0
290.0   2.31   2.30   34.98   27.93    18.4   0.092  1464.4
300.0   2.28   2.27   34.98   27.93    18.2   0.094  1464.4
310.0   2.25   2.23   34.97   27.93    18.4   0.096  1464.4
320.0   2.19   2.17   34.97   27.93    18.2   0.098  1464.4
330.0   2.07   2.06   34.96   27.93    18.4   0.099  1464.0
340.0   1.95   1.94   34.96   27.94    17.4   0.101  1463.6
350.0   1.96   1.94   34.96   27.94    17.0   0.103  1463.8
360.0   1.93   1.91   34.96   27.94    17.2   0.105  1463.8
370.0   1.84   1.82   34.95   27.94    17.0   0.107  1463.6
380.0   1.81   1.79   34.95   27.95    16.9   0.108  1463.7
390.0   1.78   1.76   34.95   27.95    16.8   0.110  1463.7
400.0   1.74   1.72   34.95   27.95    16.4   0.112  1463.7
410.0   1.71   1.69   34.95   27.96    15.9   0.113  1463.7
420.0   1.66   1.63   34.95   27.96    16.0   0.115  1463.6
430.0   1.62   1.60   34.94   27.96    15.9   0.116  1463.6
440.0   1.59   1.56   34.94   27.96    15.7   0.118  1463.6
450.0   1.55   1.53   34.94   27.96    15.6   0.120  1463.7
460.0   1.52   1.49   34.94   27.96    15.5   0.121  1463.7
470.0   1.45   1.42   34.93   27.96    15.5   0.123  1463.5
480.0   1.43   1.41   34.93   27.96    15.7   0.124  1463.6
490.0   1.36   1.33   34.94   27.97    14.7   0.126  1463.4
500.0   1.36   1.33   34.94   27.97    14.7   0.127  1463.6
530.0   1.10   1.07   34.92   27.97    14.2   0.132  1462.9
560.0   0.91   0.88   34.91   27.98    13.5   0.136  1462.6
590.0   0.74   0.71   34.90   27.99    12.5   0.140  1462.3
620.0   0.58   0.55   34.90   27.99    11.7   0.144  1462.1
650.0   0.43   0.40   34.90   28.00    10.4   0.147  1461.9
680.0   0.26   0.23   34.90   28.01     9.7   0.150  1461.7
```

```
DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

710.0  -0.09  -0.12   34.89   28.02     7.5   0.153  1460.6
740.0  -0.21  -0.24   34.89   28.03     6.6   0.155  1460.5
784.0  -0.25  -0.28   34.90   28.04     5.5   0.158  1461.1
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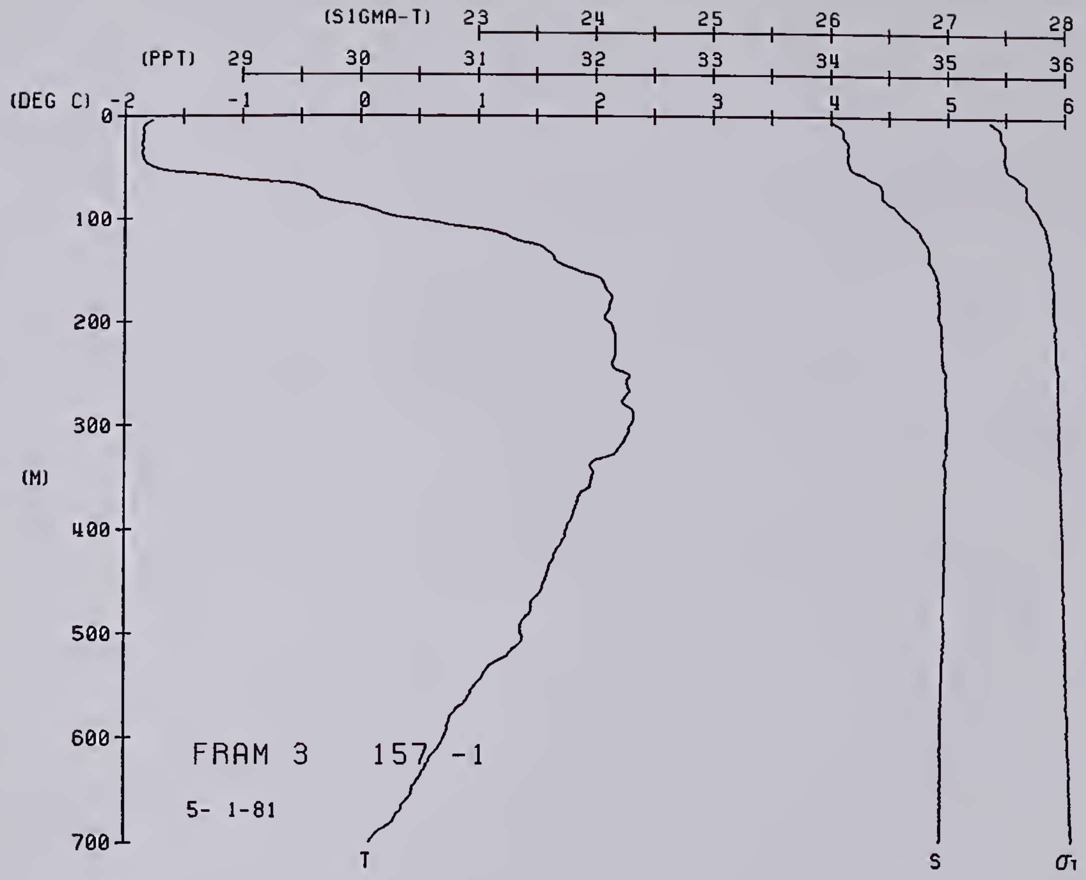
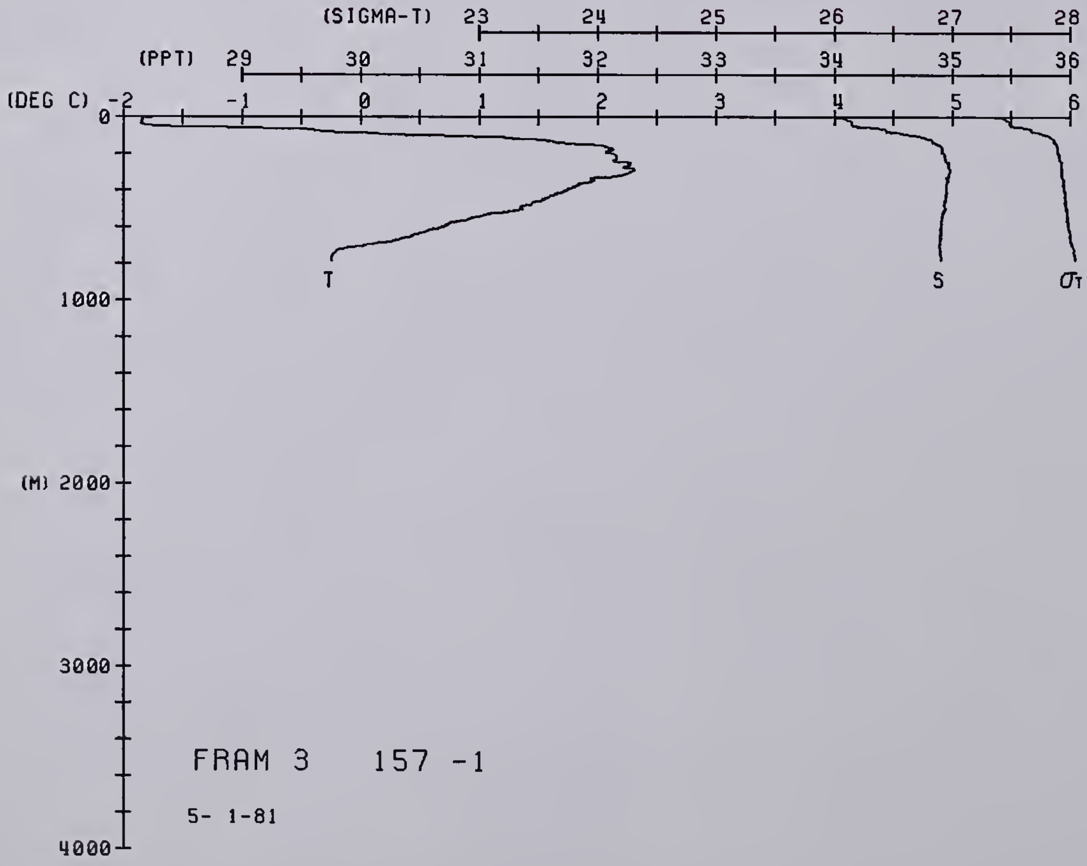


FRAM 3 157 -1

5- 1-81



FRAM 3 157 -1

5- 1-81

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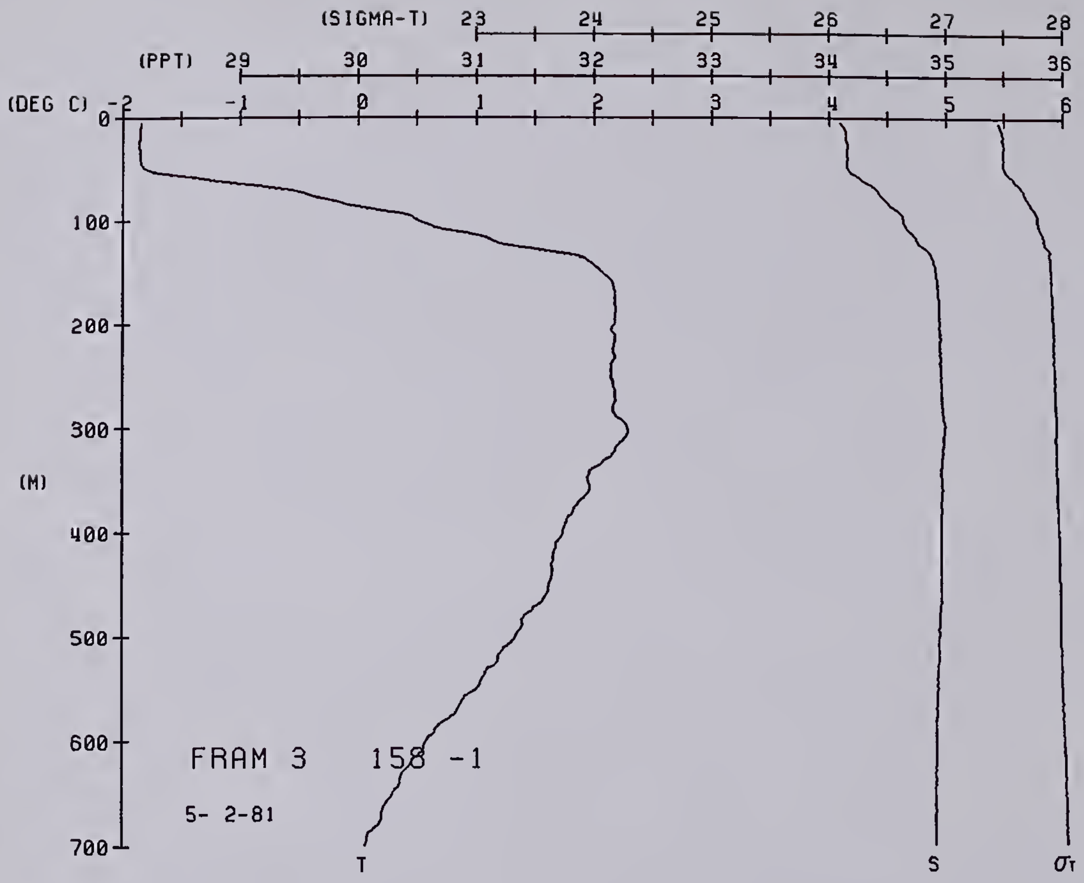
                                                FRAM 3  STATION 158(1) CTD   2/MAY/1981  942 GMT  CODE = 5
                                                LAT = 81.7935N LNG =   5.0278E LTER =    30. LGER =    30.
                                                AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0
 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.08   27.44    63.4   0.000   1439.5
   4.0   -1.84   -1.84   34.08   27.44    63.3   0.003   1439.5
   5.0   -1.84   -1.84   34.10   27.45    62.1   0.003   1439.6
  10.0   -1.85   -1.85   34.13   27.47    60.0   0.006   1439.6
  15.0   -1.85   -1.85   34.15   27.49    58.5   0.009   1439.7
  20.0   -1.85   -1.85   34.15   27.49    58.4   0.012   1439.8
  25.0   -1.86   -1.86   34.16   27.50    57.6   0.015   1439.9
  30.0   -1.85   -1.85   34.15   27.49    57.8   0.018   1440.0
  35.0   -1.85   -1.85   34.15   27.49    58.2   0.021   1440.1
  40.0   -1.85   -1.85   34.16   27.50    57.5   0.024   1440.2
  45.0   -1.84   -1.84   34.15   27.49    57.7   0.027   1440.3
  50.0   -1.80   -1.80   34.17   27.50    56.9   0.030   1440.6
  55.0   -1.59   -1.60   34.21   27.54    53.7   0.033   1441.7
  60.0   -1.26   -1.26   34.28   27.58    49.6   0.035   1443.5
  65.0   -0.95   -0.95   34.34   27.62    45.8   0.038   1445.1
  70.0   -0.58   -0.58   34.41   27.66    42.0   0.040   1447.0
  75.0   -0.41   -0.41   34.44   27.67    40.9   0.042   1447.9
  80.0   -0.23   -0.24   34.48   27.70    38.3   0.044   1448.8
  85.0   -0.05   -0.06   34.53   27.73    35.9   0.046   1449.8
  90.0    0.21    0.21   34.59   27.76    32.4   0.047   1451.2
  95.0    0.44    0.44   34.62   27.78    31.0   0.049   1452.4
 100.0    0.52    0.51   34.63   27.78    31.0   0.051   1452.8
 110.0    0.82    0.82   34.69   27.81    28.6   0.054   1454.4
 120.0    1.15    1.15   34.75   27.84    25.8   0.056   1456.2
 130.0    1.68    1.67   34.86   27.88    21.6   0.059   1458.8
 140.0    1.97    1.96   34.89   27.89    21.5   0.061   1460.3
 150.0    2.07    2.06   34.91   27.89    20.9   0.063   1460.9
 160.0    2.16    2.15   34.92   27.89    20.9   0.065   1461.5
 170.0    2.17    2.17   34.93   27.90    20.6   0.067   1461.7
 180.0    2.17    2.16   34.94   27.91    20.0   0.069   1461.9
 190.0    2.17    2.16   34.93   27.91    20.1   0.071   1462.1
 200.0    2.17    2.16   34.94   27.91    20.0   0.073   1462.2
 210.0    2.17    2.16   34.94   27.91    19.6   0.075   1462.4
 220.0    2.16    2.15   34.94   27.91    19.6   0.077   1462.5
 230.0    2.17    2.16   34.95   27.92    19.2   0.079   1462.8
 240.0    2.14    2.13   34.95   27.92    19.1   0.081   1462.8
 250.0    2.14    2.13   34.95   27.92    18.8   0.083   1463.0
 260.0    2.16    2.15   34.95   27.92    18.9   0.085   1463.2
 270.0    2.18    2.16   34.96   27.93    18.3   0.087   1463.4
 280.0    2.16    2.14   34.96   27.93    18.3   0.089   1463.5
 290.0    2.21    2.19   34.97   27.93    18.0   0.091   1463.9
 300.0    2.28    2.26   34.98   27.93    18.0   0.093   1464.4
 310.0    2.25    2.23   34.97   27.93    18.5   0.094   1464.4
 320.0    2.17    2.15   34.97   27.93    18.3   0.096   1464.3
 330.0    2.09    2.07   34.96   27.93    18.1   0.098   1464.1
 340.0    1.97    1.95   34.95   27.93    17.9   0.100   1463.7
 350.0    1.95    1.93   34.95   27.94    17.6   0.102   1463.8
 360.0    1.95    1.93   34.96   27.94    17.3   0.103   1464.0
 370.0    1.87    1.85   34.95   27.94    17.3   0.105   1463.8
 380.0    1.81    1.79   34.95   27.95    16.7   0.107   1463.7
 390.0    1.75    1.73   34.95   27.95    16.7   0.109   1463.6
 400.0    1.73    1.71   34.95   27.95    16.3   0.110   1463.6
 410.0    1.67    1.65   34.95   27.96    16.0   0.112   1463.5
 420.0    1.65    1.63   34.95   27.96    15.6   0.114   1463.6
 430.0    1.63    1.61   34.95   27.96    15.5   0.115   1463.7
 440.0    1.64    1.62   34.95   27.96    15.9   0.117   1463.9
 450.0    1.61    1.59   34.95   27.96    15.4   0.118   1463.9
 460.0    1.58    1.56   34.95   27.96    15.4   0.120   1464.0
 470.0    1.51    1.48   34.94   27.96    15.6   0.121   1463.8
 480.0    1.40    1.37   34.93   27.96    15.1   0.123   1463.5
 490.0    1.38    1.35   34.93   27.97    15.0   0.125   1463.6
 500.0    1.33    1.30   34.93   27.97    15.0   0.126   1463.5
 530.0    1.10    1.07   34.92   27.98    13.8   0.130   1462.9
 560.0    0.88    0.85   34.91   27.98    13.2   0.135   1462.5
 590.0    0.64    0.62   34.90   27.99    11.9   0.138   1461.9
 620.0    0.44    0.41   34.90   28.00    10.6   0.142   1461.5
 650.0    0.29    0.26   34.89   28.00    10.1   0.145   1461.3
 680.0    0.16    0.13   34.90   28.01     9.0   0.148   1461.2
```

```
 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0   -0.04   -0.07   34.90   28.02     7.6   0.150   1460.8
 740.0   -0.24   -0.27   34.89   28.03     6.4   0.152   1460.4
 768.3   -0.26   -0.30   34.89   28.03     6.1   0.154   1460.7
```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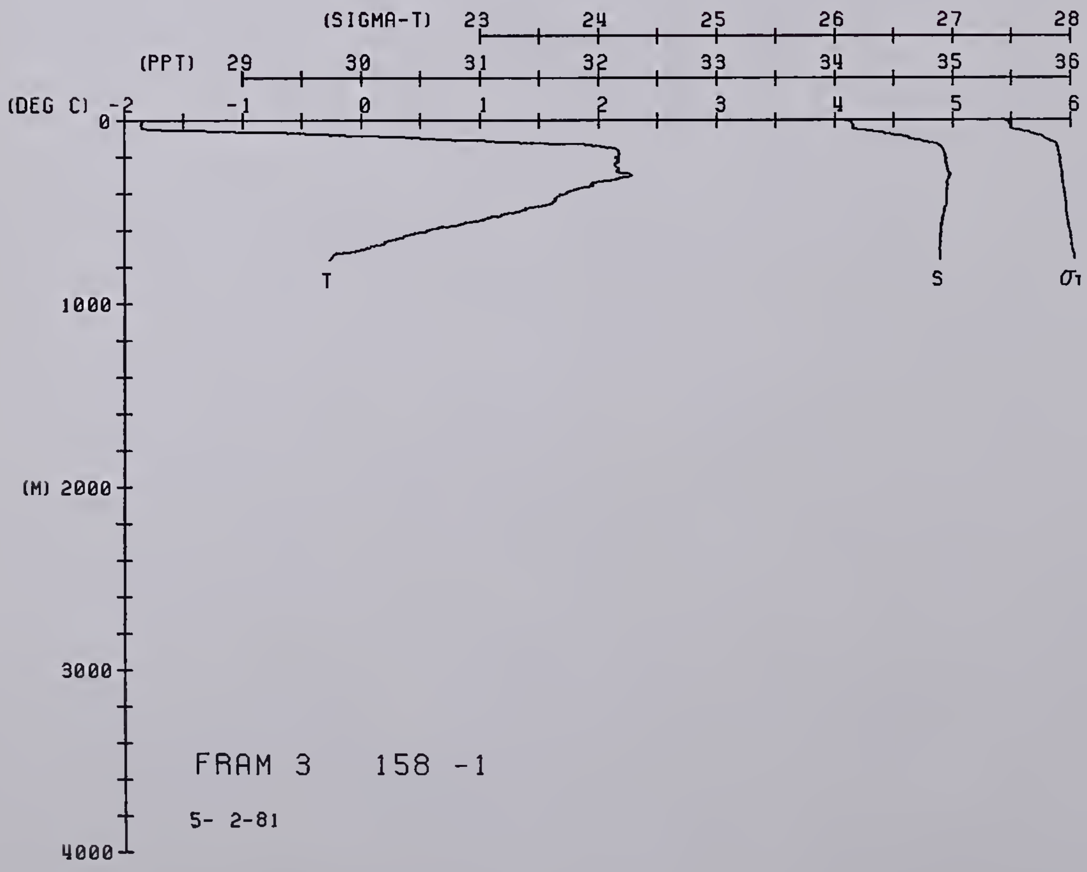
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 158 -1
5- 2-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
T
S
σT
1000
(M) 2000
3000
FRAM 3 158 -1
5- 2-81
4000

```
 FRAM 3  STATION 159(1) CTD   2/MAY/1981 1511 GMT  CODE = 5
LAT = 81.7958N LNG =   5.0223E LTER =     30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.11   27.46    61.5   0.000  1439.5
   4.0   -1.84   -1.84   34.11   27.46    61.5   0.002  1439.5
   5.0   -1.84   -1.84   34.11   27.46    61.4   0.003  1439.6
  10.0   -1.85   -1.85   34.13   27.47    60.0   0.006  1439.6
  15.0   -1.85   -1.85   34.14   27.48    59.2   0.009  1439.7
  20.0   -1.85   -1.85   34.13   27.48    59.3   0.012  1439.8
  25.0   -1.84   -1.84   34.14   27.48    59.1   0.015  1439.9
  30.0   -1.85   -1.85   34.15   27.49    57.9   0.018  1440.0
  35.0   -1.85   -1.85   34.15   27.49    58.1   0.021  1440.1
  40.0   -1.84   -1.84   34.16   27.50    57.6   0.024  1440.2
  45.0   -1.78   -1.78   34.17   27.51    56.2   0.027  1440.6
  50.0   -1.65   -1.65   34.19   27.52    55.2   0.030  1441.3
  55.0   -1.34   -1.35   34.27   27.57    50.5   0.032  1442.9
  60.0   -1.05   -1.05   34.31   27.60    47.8   0.035  1444.5
  65.0   -0.75   -0.76   34.37   27.64    44.4   0.037  1446.0
  70.0   -0.51   -0.51   34.42   27.66    41.8   0.039  1447.3
  75.0   -0.37   -0.37   34.45   27.68    40.3   0.041  1448.1
  80.0   -0.20   -0.20   34.49   27.70    38.1   0.043  1449.0
  85.0   -0.08   -0.08   34.50   27.71    37.4   0.045  1449.6
  90.0    0.13    0.13   34.57   27.75    33.4   0.047  1450.8
  95.0    0.44    0.43   34.63   27.78    31.0   0.049  1452.3
 100.0    0.63    0.62   34.66   27.80    29.5   0.050  1453.3
 110.0    0.87    0.87   34.70   27.82    27.7   0.053  1454.7
 120.0    1.13    1.13   34.76   27.84    25.5   0.056  1456.1
 130.0    1.65    1.64   34.83   27.86    23.4   0.058  1458.6
 140.0    1.92    1.91   34.87   27.87    22.6   0.061  1460.0
 150.0    2.11    2.10   34.90   27.88    22.3   0.063  1461.1
 160.0    2.14    2.13   34.90   27.88    22.0   0.065  1461.4
 170.0    2.10    2.09   34.90   27.89    21.6   0.067  1461.4
 180.0    2.12    2.10   34.91   27.89    21.4   0.070  1461.6
 190.0    2.14    2.13   34.91   27.89    21.4   0.072  1461.9
 200.0    2.12    2.11   34.92   27.90    20.9   0.074  1462.0
 210.0    2.11    2.10   34.92   27.90    20.8   0.076  1462.1
 220.0    2.08    2.07   34.92   27.90    20.6   0.078  1462.1
 230.0    2.13    2.11   34.94   27.91    19.6   0.080  1462.5
 240.0    2.13    2.12   34.94   27.91    19.5   0.082  1462.7
 250.0    2.13    2.12   34.95   27.92    19.0   0.084  1462.9
 260.0    2.11    2.10   34.94   27.92    19.1   0.086  1463.0
 270.0    2.15    2.13   34.96   27.92    18.8   0.088  1463.3
 280.0    2.15    2.14   34.96   27.92    18.7   0.090  1463.5
 290.0    2.22    2.20   34.97   27.93    18.3   0.092  1464.0
 300.0    2.18    2.16   34.96   27.93    18.5   0.094  1463.9
 310.0    2.21    2.19   34.98   27.93    18.0   0.095  1464.3
 320.0    2.19    2.17   34.97   27.93    18.2   0.097  1464.4
 330.0    2.14    2.12   34.96   27.93    18.3   0.099  1464.3
 340.0    2.11    2.09   34.96   27.93    18.1   0.101  1464.3
 350.0    2.01    1.99   34.96   27.94    17.7   0.103  1464.0
 360.0    1.97    1.95   34.95   27.94    17.8   0.104  1464.0
 370.0    1.90    1.88   34.96   27.94    17.2   0.106  1463.9
 380.0    1.89    1.87   34.95   27.94    17.2   0.108  1464.0
 390.0    1.86    1.84   34.95   27.94    17.2   0.110  1464.0
 400.0    1.84    1.81   34.95   27.95    17.0   0.111  1464.1
 410.0    1.79    1.77   34.96   27.95    16.4   0.113  1464.1
 420.0    1.77    1.75   34.95   27.95    16.6   0.115  1464.1
 430.0    1.72    1.70   34.95   27.96    16.2   0.116  1464.1
 440.0    1.64    1.62   34.95   27.96    15.9   0.118  1463.9
 450.0    1.61    1.59   34.95   27.96    15.8   0.120  1463.9
 460.0    1.56    1.53   34.94   27.96    15.7   0.121  1463.9
 470.0    1.54    1.51   34.95   27.97    15.1   0.123  1464.0
 480.0    1.54    1.51   34.94   27.96    15.4   0.124  1464.1
 490.0    1.49    1.46   34.95   27.97    15.0   0.126  1464.1
 500.0    1.43    1.41   34.95   27.97    14.5   0.127  1464.0
```

```
 FRAM 3  STATION 160(1) CTD   2/MAY/1981 1512 GMT  CODE = 5
LAT = 81.7958N LNG =   5.0223E LTER =     30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.12   27.47    60.5   0.000  1439.5
   4.0   -1.84   -1.84   34.12   27.47    60.5   0.002  1439.6
   5.0   -1.84   -1.84   34.13   27.47    60.2   0.003  1439.6
  10.0   -1.84   -1.84   34.13   27.48    59.6   0.006  1439.7
  15.0   -1.84   -1.84   34.13   27.47    59.9   0.009  1439.8
  20.0   -1.84   -1.84   34.12   27.47    60.1   0.012  1439.8
  25.0   -1.84   -1.84   34.12   27.47    60.3   0.015  1439.9
  30.0   -1.84   -1.84   34.12   27.47    60.5   0.018  1440.0
  35.0   -1.83   -1.83   34.11   27.46    60.8   0.021  1440.1
  40.0   -1.82   -1.82   34.11   27.46    61.3   0.024  1440.2
  45.0   -1.76   -1.76   34.11   27.45    61.4   0.027  1440.6
  50.0   -1.62   -1.62   34.11   27.45    61.6   0.031  1441.3
  55.0   -1.31   -1.32   34.12   27.45    61.6   0.034  1442.9
  60.0   -1.01   -1.02   34.20   27.51    56.6   0.037  1444.5
  65.0   -0.73   -0.73   34.25   27.53    54.1   0.039  1446.0
  70.0   -0.49   -0.49   34.33   27.59    49.1   0.042  1447.3
  75.0   -0.34   -0.34   34.36   27.61    46.9   0.045  1448.1
  80.0   -0.17   -0.18   34.40   27.63    44.8   0.047  1449.0
  85.0   -0.04   -0.04   34.44   27.66    42.5   0.049  1449.7
  90.0    0.22    0.22   34.45   27.65    43.3   0.051  1451.0
  95.0    0.48    0.48   34.53   27.70    38.2   0.053  1452.4
 100.0    0.67    0.67   34.58   27.73    35.8   0.055  1453.4
 110.0    0.91    0.90   34.64   27.76    33.1   0.059  1454.7
 120.0    1.19    1.18   34.67   27.77    32.1   0.062  1456.2
 130.0    1.68    1.68   34.78   27.82    28.0   0.065  1458.7
 140.0    1.96    1.95   34.82   27.83    26.8   0.068  1460.2
 150.0    2.13    2.12   34.85   27.84    25.6   0.070  1461.1
 160.0    2.14    2.13   34.88   27.86    24.0   0.073  1461.3
 170.0    2.11    2.10   34.87   27.86    24.1   0.075  1461.4
 180.0    2.13    2.11   34.88   27.87    23.4   0.078  1461.6
 190.0    2.15    2.14   34.89   27.87    23.6   0.080  1461.9
 200.0    2.13    2.12   34.89   27.87    23.1   0.082  1462.0
 210.0    2.12    2.11   34.89   27.88    22.9   0.085  1462.1
 220.0    2.08    2.06   34.91   27.89    21.4   0.087  1462.1
 230.0    2.14    2.13   34.90   27.88    22.6   0.089  1462.5
 240.0    2.14    2.13   34.92   27.89    21.4   0.092  1462.7
 250.0    2.14    2.13   34.92   27.90    21.3   0.094  1462.9
 260.0    2.12    2.11   34.92   27.90    20.9   0.096  1463.0
 270.0    2.16    2.14   34.93   27.90    20.8   0.098  1463.3
 280.0    2.16    2.14   34.94   27.91    19.9   0.100  1463.5
 290.0    2.23    2.21   34.94   27.90    21.0   0.102  1464.0
 300.0    2.18    2.16   34.95   27.92    19.3   0.104  1464.0
 310.0    2.22    2.20   34.95   27.92    19.7   0.106  1464.3
 320.0    2.20    2.18   34.95   27.92    19.9   0.108  1464.4
 330.0    2.14    2.13   34.95   27.92    19.8   0.110  1464.3
 340.0    2.11    2.09   34.95   27.92    19.1   0.112  1464.3
 350.0    2.02    2.00   34.95   27.93    18.7   0.114  1464.1
 360.0    1.98    1.96   34.95   27.93    18.5   0.116  1464.1
 370.0    1.91    1.89   34.93   27.93    18.9   0.118  1463.9
 380.0    1.90    1.88   34.93   27.92    19.0   0.120  1464.0
 390.0    1.87    1.85   34.94   27.93    18.3   0.122  1464.1
 400.0    1.84    1.82   34.94   27.93    18.2   0.123  1464.1
 410.0    1.80    1.78   34.93   27.93    18.2   0.125  1464.1
 420.0    1.77    1.75   34.93   27.93    18.1   0.127  1464.1
 430.0    1.72    1.70   34.94   27.95    16.9   0.129  1464.1
 440.0    1.65    1.62   34.93   27.94    17.2   0.131  1463.9
 450.0    1.62    1.59   34.94   27.95    16.6   0.132  1463.9
 460.0    1.56    1.54   34.92   27.94    17.2   0.134  1463.9
 470.0    1.54    1.52   34.92   27.94    17.2   0.136  1463.9
 480.0    1.54    1.51   34.92   27.94    17.3   0.137  1464.1
 490.0    1.50    1.47   34.93   27.95    16.5   0.139  1464.1
 499.0    1.46    1.43   34.92   27.95    16.5   0.141  1464.0
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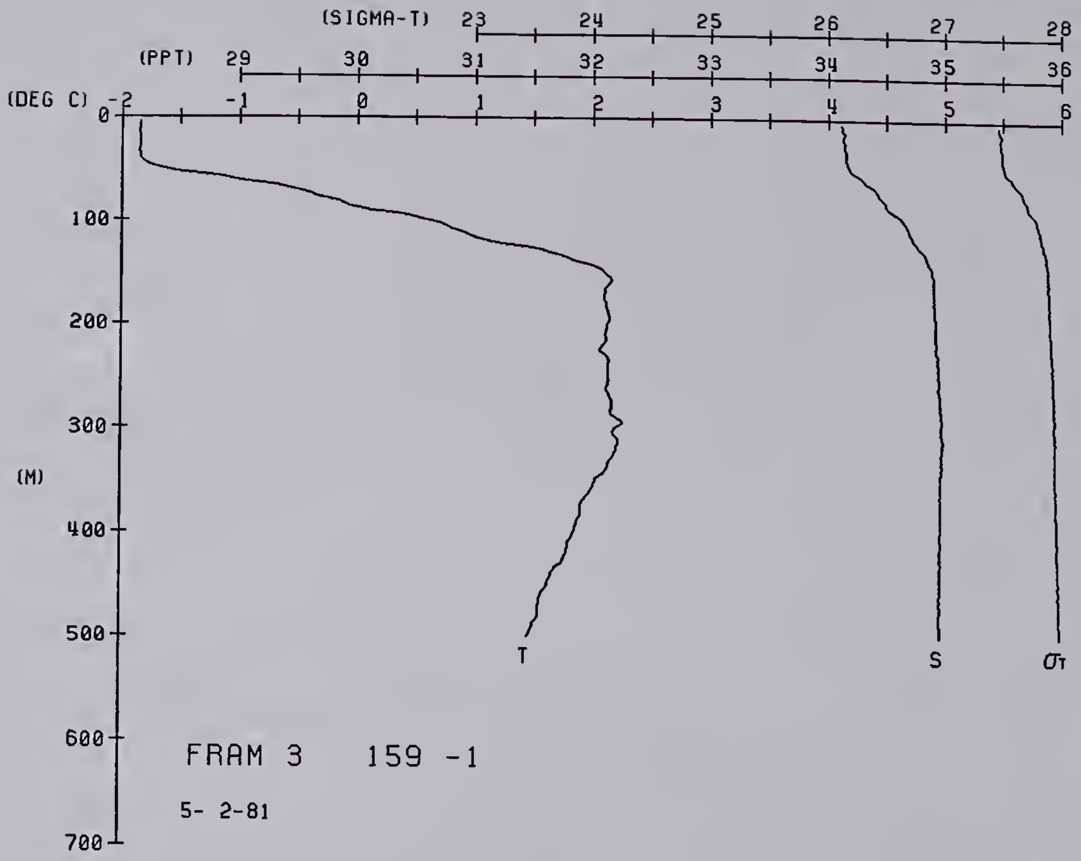
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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200
300
(M)
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700
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S
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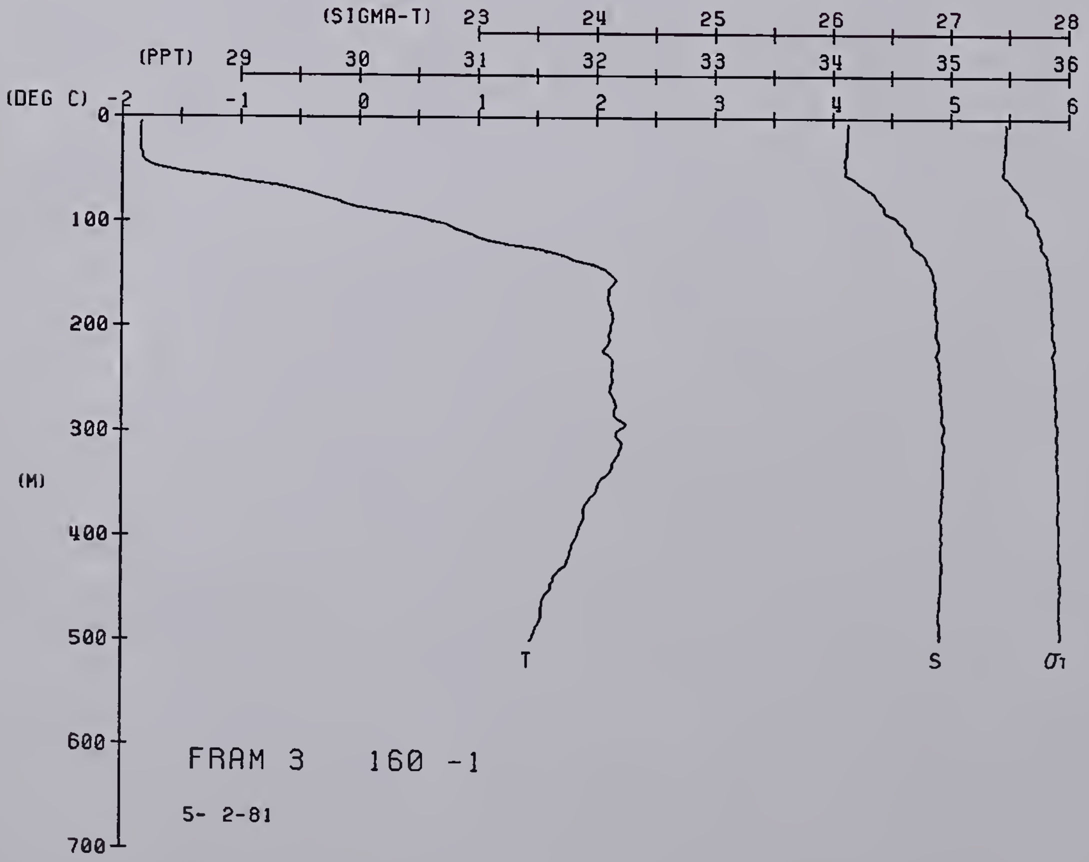
FRAM 3 159 -1
5- 2-81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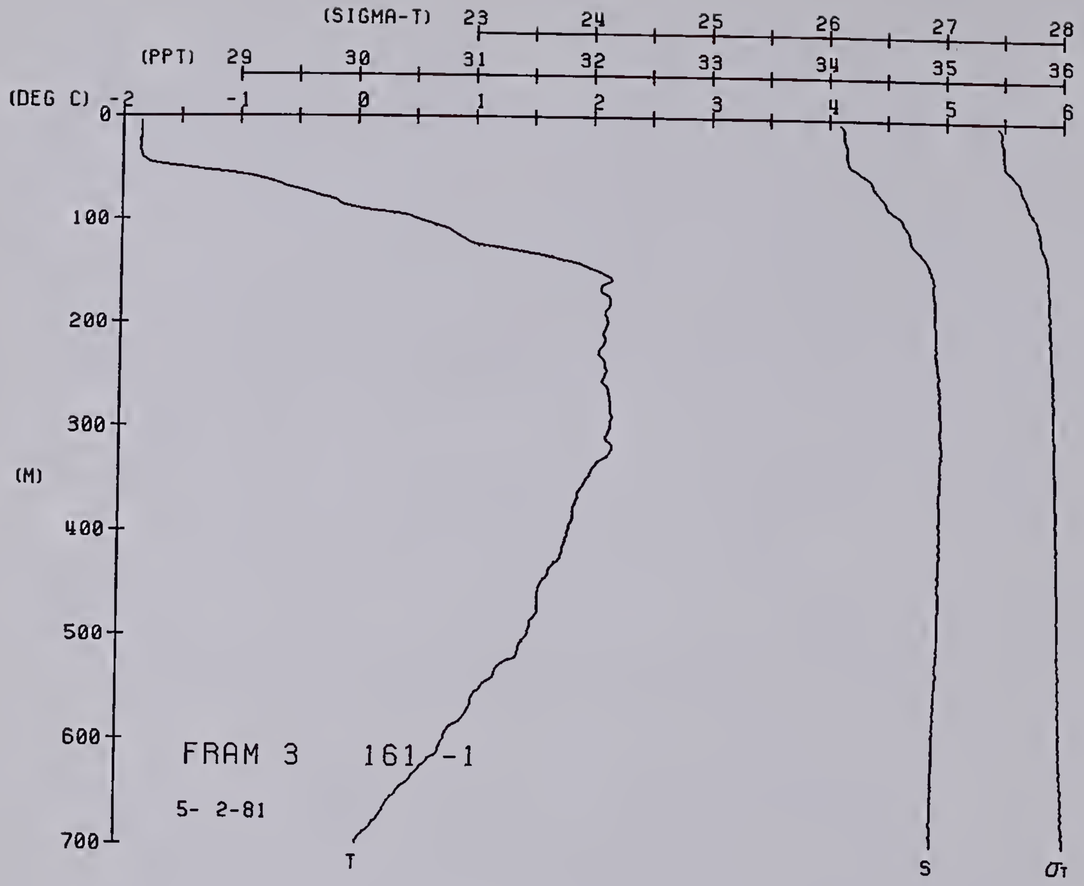
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σ_T
FRAM 3 160 -1
5- 2-81

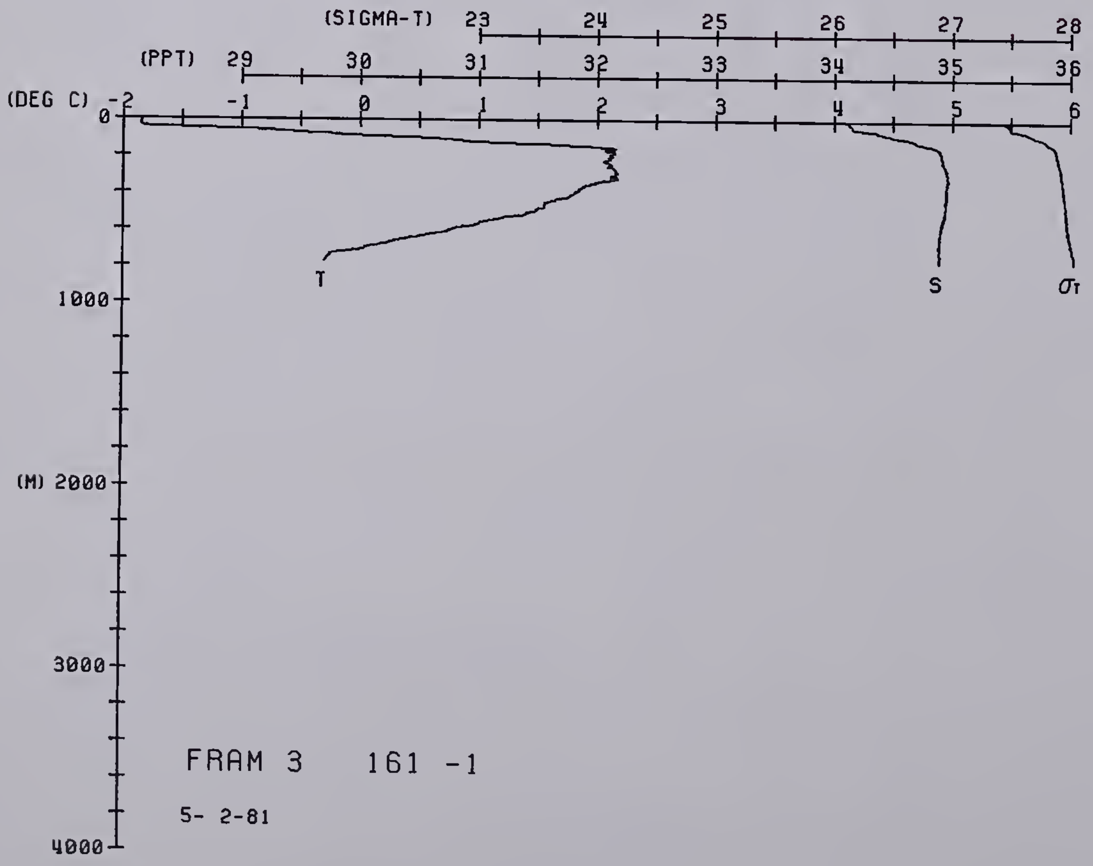
```
                              FRAM 3  STATION 161(1) CTD   2/MAY/1981 1538 GMT  CODE = 5
                              LAT = 81.7955N LNG =   5.0192E LTER =    30. LGER =    30.
                              AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0
DEPTH   TEMP   PTEMP   SALIN   SIG T  SPVOL  DYNHT   SOUND

  0.0  -1.84  -1.84   34.08   27.43   64.0  0.000   1439.5
  4.0  -1.84  -1.84   34.08   27.43   63.9  0.003   1439.5
  5.0  -1.84  -1.84   34.10   27.45   62.4  0.003   1439.5
 10.0  -1.85  -1.85   34.13   27.47   59.7  0.006   1439.7
 15.0  -1.85  -1.85   34.13   27.47   60.0  0.009   1439.7
 20.0  -1.85  -1.85   34.13   27.48   59.3  0.012   1439.8
 25.0  -1.85  -1.85   34.15   27.49   58.1  0.015   1439.9
 30.0  -1.85  -1.85   34.15   27.49   58.1  0.018   1440.0
 35.0  -1.85  -1.85   34.15   27.49   57.9  0.021   1440.1
 40.0  -1.83  -1.83   34.16   27.50   57.5  0.024   1440.3
 45.0  -1.76  -1.76   34.18   27.51   55.8  0.027   1440.7
 50.0  -1.47  -1.47   34.25   27.56   51.5  0.030   1442.3
 55.0  -1.09  -1.09   34.31   27.60   47.7  0.032   1444.2
 60.0  -0.82  -0.83   34.36   27.63   45.0  0.035   1445.6
 65.0  -0.68  -0.68   34.38   27.64   44.1  0.037   1446.4
 70.0  -0.53  -0.54   34.41   27.66   42.2  0.039   1447.2
 75.0  -0.38  -0.38   34.45   27.68   40.3  0.041   1448.0
 80.0  -0.21  -0.22   34.48   27.70   38.4  0.043   1448.9
 85.0  -0.13  -0.13   34.50   27.71   37.7  0.045   1449.4
 90.0   0.07   0.07   34.55   27.74   34.7  0.047   1450.5
 95.0   0.39   0.38   34.62   27.78   31.1  0.048   1452.1
100.0   0.54   0.54   34.64   27.79   30.5  0.050   1452.9
110.0   0.80   0.79   34.69   27.81   28.7  0.053   1454.3
120.0   0.94   0.93   34.71   27.82   27.6  0.056   1455.1
130.0   1.41   1.40   34.80   27.85   24.4  0.058   1457.5
140.0   1.83   1.82   34.86   27.87   22.6  0.061   1459.6
150.0   2.07   2.06   34.89   27.88   22.5  0.063   1460.9
160.0   2.13   2.12   34.90   27.88   22.4  0.065   1461.3
170.0   2.10   2.09   34.90   27.89   21.7  0.068   1461.4
180.0   2.15   2.14   34.91   27.89   21.6  0.070   1461.8
190.0   2.11   2.10   34.91   27.89   21.2  0.072   1461.8
200.0   2.13   2.12   34.91   27.89   21.3  0.074   1462.0
210.0   2.11   2.09   34.92   27.90   20.8  0.076   1462.1
220.0   2.10   2.08   34.92   27.90   20.5  0.078   1462.2
230.0   2.07   2.06   34.93   27.91   20.0  0.080   1462.3
240.0   2.12   2.10   34.93   27.91   19.9  0.082   1462.6
250.0   2.11   2.09   34.94   27.92   19.3  0.084   1462.8
260.0   2.13   2.12   34.95   27.92   18.8  0.086   1463.1
270.0   2.15   2.13   34.95   27.92   19.0  0.088   1463.3
280.0   2.15   2.14   34.96   27.92   18.9  0.090   1463.5
290.0   2.17   2.15   34.96   27.93   18.5  0.092   1463.7
300.0   2.15   2.14   34.96   27.93   18.6  0.094   1463.8
310.0   2.12   2.11   34.96   27.93   18.0  0.096   1463.9
320.0   2.17   2.15   34.97   27.93   18.1  0.098   1464.2
330.0   2.09   2.07   34.96   27.94   17.9  0.099   1464.1
340.0   2.00   1.98   34.96   27.94   17.4  0.101   1463.8
350.0   1.95   1.94   34.95   27.94   17.6  0.103   1463.8
360.0   1.90   1.88   34.95   27.94   17.4  0.105   1463.7
370.0   1.88   1.85   34.95   27.94   17.2  0.107   1463.8
380.0   1.85   1.83   34.95   27.95   16.9  0.108   1463.8
390.0   1.83   1.81   34.95   27.95   17.0  0.110   1463.9
400.0   1.81   1.78   34.95   27.95   16.6  0.112   1464.0
410.0   1.78   1.75   34.96   27.95   16.3  0.113   1464.0
420.0   1.76   1.73   34.95   27.95   16.3  0.115   1464.1
430.0   1.69   1.67   34.95   27.95   16.2  0.117   1464.0
440.0   1.64   1.62   34.95   27.96   16.1  0.118   1463.9
450.0   1.57   1.55   34.94   27.96   15.6  0.120   1463.8
460.0   1.55   1.53   34.95   27.96   15.3  0.121   1463.8
470.0   1.55   1.52   34.95   27.96   15.3  0.123   1464.0
480.0   1.54   1.51   34.94   27.96   15.7  0.125   1464.1
490.0   1.49   1.46   34.95   27.97   15.0  0.126   1464.1
500.0   1.46   1.43   34.94   27.97   14.9  0.128   1464.1
530.0   1.22   1.19   34.93   27.97   14.2  0.132   1463.5
560.0   1.01   0.98   34.92   27.98   13.6  0.136   1463.0
590.0   0.80   0.78   34.91   27.98   12.7  0.140   1462.6
620.0   0.62   0.59   34.90   27.99   11.9  0.144   1462.3
650.0   0.37   0.34   34.90   28.00   10.4  0.147   1461.6
680.0   0.17   0.14   34.89   28.01    9.2  0.150   1461.2

DEPTH   TEMP   PTEMP   SALIN   SIG T  SPVOL  DYNHT   SOUND

710.0  -0.02  -0.05   34.89   28.02    8.2  0.153   1460.9
740.0  -0.25  -0.28   34.89   28.03    6.4  0.155   1460.3
773.2  -0.31  -0.35   34.89   28.04    5.9  0.157   1460.6
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 161 -1
5- 2-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 161 -1
5- 2-81
T
S
σT

```
 FRAM 3  STATION 162(1) CTD    3/MAY/1981 1206 GMT  CODE = 5
LAT = 81.8052N LNG =    4.7547E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

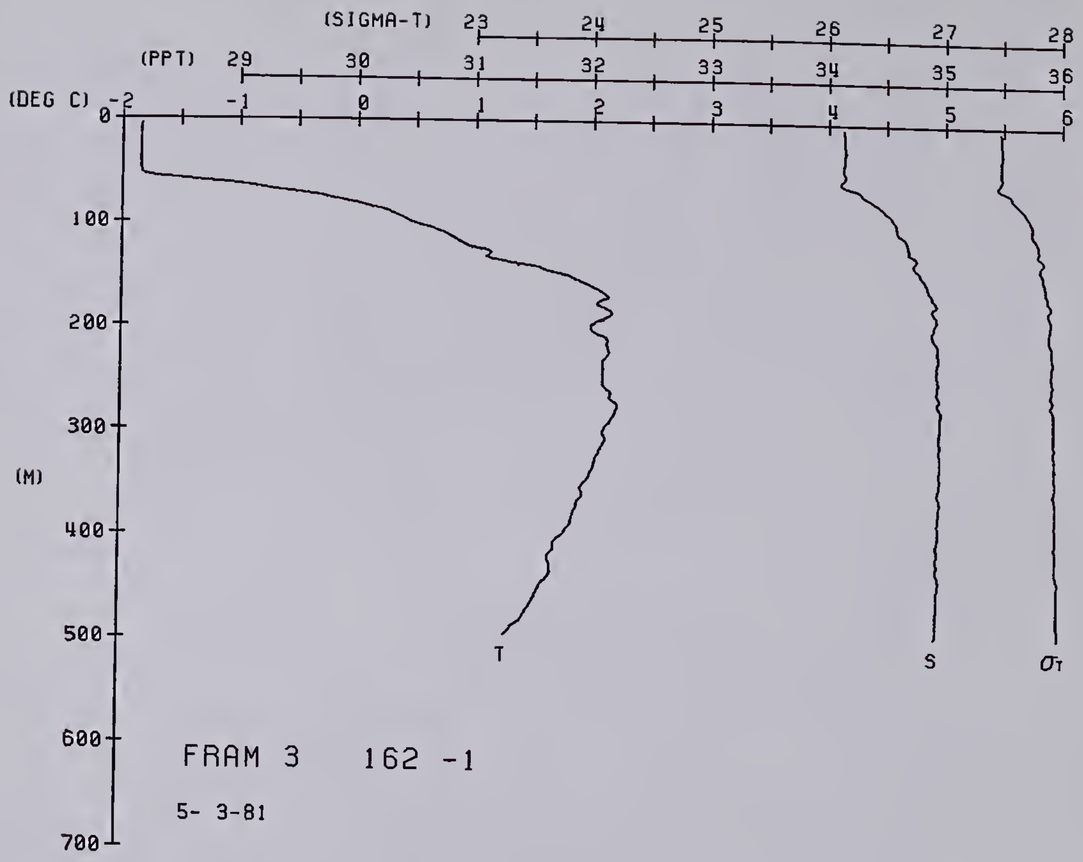
 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.13   27.47    60.2   0.000  1439.5
   4.0   -1.84   -1.84   34.13   27.47    60.2   0.002  1439.6
   5.0   -1.84   -1.84   34.13   27.47    60.0   0.003  1439.6
  10.0   -1.85   -1.85   34.13   27.48    59.4   0.006  1439.7
  15.0   -1.85   -1.85   34.13   27.48    59.4   0.009  1439.7
  20.0   -1.85   -1.85   34.14   27.48    59.2   0.012  1439.8
  25.0   -1.85   -1.85   34.15   27.49    58.4   0.015  1439.9
  30.0   -1.85   -1.85   34.14   27.48    58.8   0.018  1440.0
  35.0   -1.85   -1.85   34.13   27.48    59.4   0.021  1440.1
  40.0   -1.84   -1.84   34.13   27.48    59.4   0.024  1440.2
  45.0   -1.84   -1.84   34.13   27.48    59.3   0.027  1440.3
  50.0   -1.84   -1.84   34.14   27.48    58.5   0.030  1440.4
  55.0   -1.78   -1.79   34.12   27.46    60.6   0.033  1440.7
  60.0   -1.33   -1.33   34.13   27.46    61.2   0.036  1442.9
  65.0   -0.91   -0.91   34.26   27.55    52.4   0.039  1445.1
  70.0   -0.58   -0.58   34.31   27.57    50.2   0.042  1446.8
  75.0   -0.27   -0.28   34.38   27.62    46.1   0.044  1448.4
  80.0   -0.06   -0.07   34.45   27.66    41.9   0.046  1449.6
  85.0    0.14    0.14   34.50   27.69    39.3   0.048  1450.7
  90.0    0.29    0.29   34.54   27.72    36.5   0.050  1451.5
  95.0    0.38    0.38   34.57   27.74    34.7   0.052  1452.0
 100.0    0.49    0.49   34.58   27.74    34.6   0.054  1452.6
 110.0    0.75    0.75   34.65   27.78    30.8   0.057  1454.1
 120.0    0.91    0.90   34.68   27.80    29.5   0.060  1455.0
 130.0    1.11    1.10   34.76   27.84    25.1   0.063  1456.1
 140.0    1.48    1.47   34.76   27.82    27.9   0.065  1457.9
 150.0    1.81    1.80   34.82   27.84    25.6   0.068  1459.6
 160.0    2.01    2.00   34.86   27.86    24.3   0.071  1460.7
 170.0    2.13    2.13   34.91   27.89    21.5   0.073  1461.5
 180.0    2.10    2.09   34.89   27.88    22.7   0.075  1461.5
 190.0    2.11    2.10   34.92   27.90    20.5   0.077  1461.8
 200.0    1.99    1.98   34.89   27.89    21.9   0.080  1461.4
 210.0    2.13    2.12   34.92   27.90    20.9   0.082  1462.2
 220.0    2.13    2.12   34.94   27.91    19.8   0.084  1462.4
 230.0    2.09    2.08   34.94   27.92    19.3   0.086  1462.4
 240.0    2.09    2.07   34.93   27.91    20.2   0.088  1462.5
 250.0    2.09    2.07   34.94   27.92    19.4   0.090  1462.7
 260.0    2.15    2.13   34.93   27.90    20.6   0.092  1463.1
 270.0    2.19    2.17   34.93   27.90    20.7   0.094  1463.5
 280.0    2.19    2.18   34.96   27.92    18.7   0.096  1463.7
 290.0    2.14    2.13   34.96   27.93    18.5   0.098  1463.6
 300.0    2.09    2.07   34.95   27.92    18.9   0.100  1463.6
 310.0    2.09    2.08   34.96   27.93    18.3   0.102  1463.7
 320.0    2.05    2.03   34.95   27.93    18.2   0.103  1463.7
 330.0    2.02    2.00   34.96   27.94    17.7   0.105  1463.7
 340.0    1.98    1.96   34.95   27.93    18.0   0.107  1463.7
 350.0    1.91    1.90   34.95   27.94    17.7   0.109  1463.6
 360.0    1.91    1.89   34.95   27.93    18.0   0.111  1463.8
 370.0    1.87    1.85   34.95   27.94    17.4   0.112  1463.7
 380.0    1.84    1.81   34.95   27.94    17.4   0.114  1463.8
 390.0    1.81    1.79   34.94   27.94    17.4   0.116  1463.8
 400.0    1.73    1.71   34.94   27.94    17.2   0.118  1463.6
 410.0    1.68    1.66   34.93   27.94    17.3   0.119  1463.6
 420.0    1.63    1.61   34.93   27.94    17.2   0.121  1463.5
 430.0    1.64    1.62   34.92   27.94    17.7   0.123  1463.7
 440.0    1.62    1.60   34.95   27.96    15.6   0.125  1463.8
 450.0    1.55    1.52   34.94   27.96    16.0   0.126  1463.6
 460.0    1.51    1.49   34.93   27.95    16.2   0.128  1463.6
 470.0    1.46    1.43   34.93   27.96    15.8   0.130  1463.6
 480.0    1.41    1.38   34.92   27.96    16.0   0.131  1463.5
 490.0    1.31    1.28   34.92   27.96    15.2   0.133  1463.2
 496.0    1.26    1.23   34.91   27.96    15.6   0.134  1463.1
```

```
 FRAM 3  STATION 163(1) CTD    3/MAY/1981 1204 GMT  CODE = 5
LAT = 81.8052N LNG =    4.7558E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   34.16   27.50    57.3   0.000  1439.5
   4.0   -1.86   -1.86   34.16   27.50    57.3   0.002  1439.6
   5.0   -1.86   -1.86   34.16   27.50    57.3   0.003  1439.6
  10.0   -1.86   -1.86   34.16   27.50    57.2   0.006  1439.7
  15.0   -1.86   -1.86   34.16   27.50    57.2   0.009  1439.7
  20.0   -1.86   -1.86   34.16   27.50    57.1   0.012  1439.8
  25.0   -1.86   -1.86   34.16   27.50    57.1   0.014  1439.9
  30.0   -1.86   -1.86   34.16   27.50    57.1   0.017  1440.0
  35.0   -1.86   -1.86   34.16   27.50    57.0   0.020  1440.1
  40.0   -1.85   -1.85   34.16   27.50    57.3   0.023  1440.2
  45.0   -1.85   -1.85   34.16   27.50    57.1   0.026  1440.3
  50.0   -1.85   -1.85   34.16   27.50    57.1   0.029  1440.4
  55.0   -1.80   -1.80   34.17   27.51    56.2   0.032  1440.7
  60.0   -1.35   -1.36   34.28   27.59    49.0   0.034  1443.0
  65.0   -0.91   -0.91   34.35   27.62    45.8   0.037  1445.3
  70.0   -0.58   -0.58   34.42   27.66    41.7   0.039  1447.0
  75.0   -0.28   -0.28   34.48   27.70    38.2   0.041  1448.6
  80.0   -0.05   -0.06   34.53   27.73    35.9   0.043  1449.7
  85.0    0.14    0.14   34.57   27.75    33.6   0.045  1450.8
  90.0    0.29    0.29   34.59   27.76    32.8   0.046  1451.5
  95.0    0.38    0.38   34.61   27.77    32.0   0.048  1452.1
 100.0    0.48    0.47   34.63   27.78    31.0   0.050  1452.6
 110.0    0.74    0.74   34.68   27.81    28.4   0.053  1454.1
 120.0    0.89    0.88   34.72   27.83    26.7   0.055  1454.9
 130.0    1.11    1.11   34.77   27.85    24.6   0.058  1456.2
 140.0    1.43    1.42   34.82   27.87    22.4   0.060  1457.8
 150.0    1.79    1.78   34.86   27.88    22.2   0.063  1459.6
 160.0    1.98    1.97   34.90   27.89    21.2   0.065  1460.7
 170.0    2.15    2.14   34.92   27.90    20.8   0.067  1461.6
 180.0    2.08    2.07   34.92   27.90    20.2   0.069  1461.5
 190.0    2.11    2.10   34.93   27.90    20.1   0.071  1461.8
 200.0    1.98    1.97   34.92   27.91    19.9   0.073  1461.4
 210.0    2.12    2.11   34.94   27.92    19.2   0.075  1462.2
 220.0    2.13    2.12   34.95   27.92    19.0   0.077  1462.4
 230.0    2.09    2.08   34.94   27.92    18.9   0.079  1462.4
 240.0    2.08    2.07   34.95   27.92    18.7   0.081  1462.5
 250.0    2.08    2.07   34.95   27.93    18.5   0.083  1462.7
 260.0    2.14    2.13   34.97   27.93    17.8   0.084  1463.2
 270.0    2.18    2.16   34.97   27.93    18.1   0.086  1463.5
 280.0    2.19    2.18   34.97   27.93    18.3   0.088  1463.7
 290.0    2.14    2.13   34.96   27.93    18.2   0.090  1463.6
 300.0    2.09    2.07   34.96   27.93    18.1   0.092  1463.5
 310.0    2.09    2.07   34.97   27.94    17.6   0.094  1463.8
 320.0    2.05    2.03   34.96   27.94    17.8   0.095  1463.7
 330.0    2.02    2.00   34.96   27.94    17.5   0.097  1463.7
 340.0    1.98    1.96   34.96   27.94    17.0   0.099  1463.7
 350.0    1.91    1.89   34.96   27.94    17.1   0.101  1463.6
 360.0    1.91    1.89   34.96   27.95    16.9   0.102  1463.8
 370.0    1.87    1.84   34.96   27.95    16.5   0.104  1463.7
 380.0    1.83    1.81   34.95   27.95    16.7   0.106  1463.8
 390.0    1.81    1.79   34.95   27.95    16.6   0.107  1463.8
 400.0    1.73    1.71   34.94   27.95    16.7   0.109  1463.6
 410.0    1.67    1.65   34.95   27.96    16.0   0.111  1463.6
 420.0    1.63    1.60   34.94   27.96    16.0   0.112  1463.5
 430.0    1.64    1.61   34.95   27.96    15.6   0.114  1463.7
 440.0    1.62    1.60   34.95   27.96    15.6   0.116  1463.8
 450.0    1.55    1.52   34.94   27.96    15.7   0.117  1463.6
 460.0    1.51    1.49   34.94   27.96    15.6   0.119  1463.6
 470.0    1.45    1.43   34.94   27.97    15.1   0.120  1463.6
 480.0    1.40    1.38   34.93   27.96    15.2   0.122  1463.5
 490.0    1.31    1.28   34.92   27.96    15.1   0.123  1463.2
 495.1    1.26    1.24   34.92   27.97    14.8   0.124  1463.1
```



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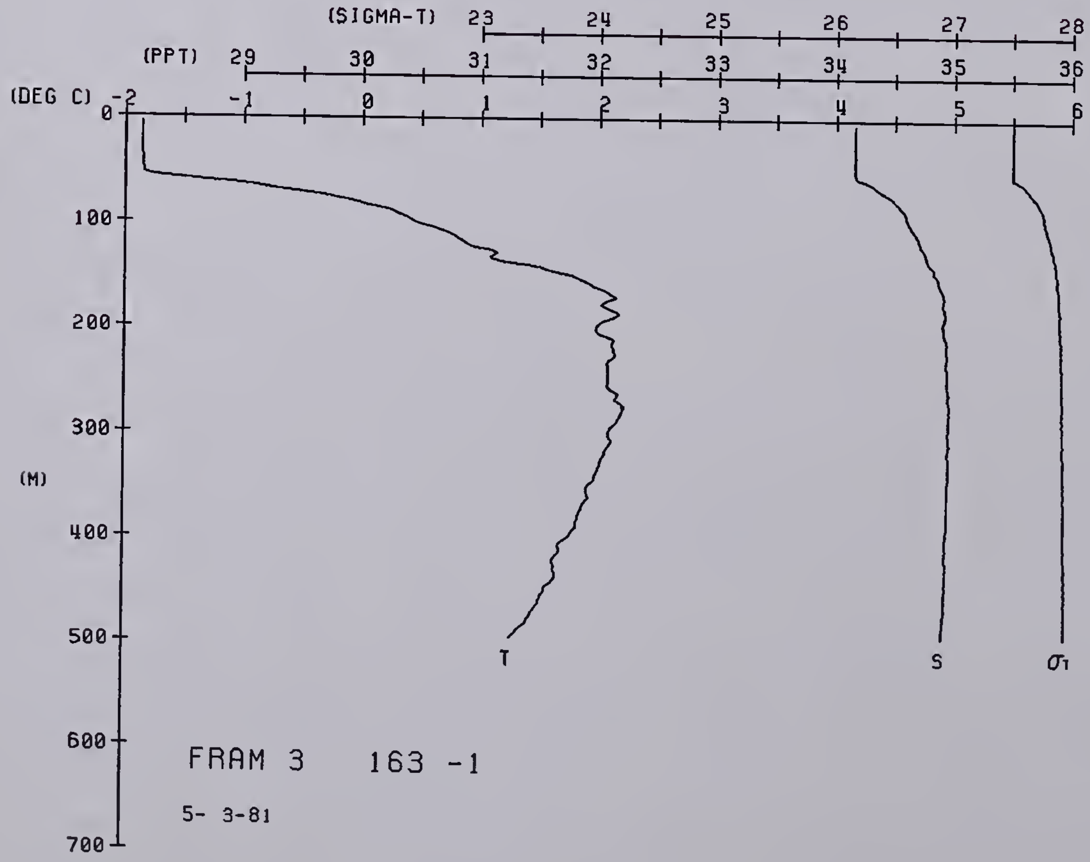

FRAM 3 163 -1

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FRAM 3  STATION 164(1) CTD   3/MAY/1981 1503 GMT  CODE = 5
LAT = 81.8072N LNG =   4.7142E LTER =    30. LGER =    30.
AIR TEMP =    0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.86  -1.86   34.16   27.50    57.2   0.000  1439.5
   4.0  -1.86  -1.86   34.16   27.50    57.2   0.002  1439.6
   5.0  -1.86  -1.86   34.16   27.50    57.1   0.003  1439.6
  10.0  -1.86  -1.86   34.16   27.50    57.1   0.006  1439.7
  15.0  -1.86  -1.86   34.16   27.50    57.1   0.009  1439.7
  20.0  -1.86  -1.86   34.16   27.50    57.0   0.012  1439.8
  25.0  -1.85  -1.85   34.16   27.50    57.2   0.014  1439.9
  30.0  -1.85  -1.85   34.16   27.50    57.1   0.017  1440.0
  35.0  -1.85  -1.85   34.16   27.50    57.1   0.020  1440.1
  40.0  -1.85  -1.85   34.16   27.50    57.0   0.023  1440.2
  45.0  -1.84  -1.84   34.16   27.50    56.9   0.026  1440.3
  50.0  -1.80  -1.81   34.18   27.51    56.0   0.029  1440.6
  55.0  -1.43  -1.43   34.27   27.57    50.1   0.032  1442.6
  60.0  -0.92  -0.92   34.35   27.62    45.5   0.034  1445.1
  65.0  -0.64  -0.65   34.40   27.65    42.7   0.036  1446.6
  70.0  -0.48  -0.48   34.43   27.67    41.2   0.038  1447.5
  75.0  -0.32  -0.32   34.47   27.69    38.8   0.040  1448.3
  80.0  -0.15  -0.16   34.50   27.71    37.2   0.042  1449.2
  85.0  -0.01  -0.01   34.54   27.73    35.4   0.044  1450.0
  90.0   0.13   0.13   34.57   27.75    33.5   0.046  1450.8
  95.0   0.40   0.39   34.61   27.77    31.8   0.047  1452.1
 100.0   0.54   0.54   34.64   27.78    30.7   0.049  1452.9
 110.0   0.77   0.77   34.68   27.81    28.5   0.052  1454.2
 120.0   0.83   0.82   34.72   27.83    26.4   0.055  1454.7
 130.0   0.95   0.94   34.76   27.86    23.7   0.057  1455.4
 140.0   1.31   1.30   34.81   27.87    22.5   0.060  1457.2
 150.0   1.83   1.82   34.88   27.89    21.0   0.062  1459.8
 160.0   2.02   2.01   34.91   27.90    20.6   0.064  1460.9
 170.0   2.20   2.19   34.93   27.90    20.6   0.066  1461.9
 180.0   2.13   2.12   34.93   27.91    19.9   0.068  1461.7
 190.0   2.14   2.13   34.94   27.91    19.7   0.070  1461.9
 200.0   2.19   2.18   34.94   27.91    19.6   0.072  1462.3
 210.0   2.19   2.18   34.95   27.92    19.3   0.074  1462.5
 220.0   2.17   2.16   34.95   27.92    19.1   0.076  1462.6
 230.0   2.11   2.10   34.95   27.92    18.8   0.078  1462.5
 240.0   2.11   2.10   34.95   27.93    18.4   0.080  1462.7
 250.0   2.15   2.14   34.96   27.93    18.0   0.082  1463.0
 260.0   2.13   2.12   34.96   27.93    18.3   0.083  1463.1
 270.0   2.09   2.08   34.96   27.93    17.7   0.085  1463.1
 280.0   2.06   2.04   34.96   27.93    18.0   0.087  1463.1
 290.0   2.06   2.04   34.96   27.94    17.7   0.089  1463.3
 300.0   2.06   2.04   34.96   27.94    17.5   0.091  1463.4
 310.0   2.07   2.05   34.96   27.94    17.6   0.092  1463.6
 320.0   2.05   2.03   34.97   27.94    17.3   0.094  1463.7
 330.0   2.01   1.99   34.96   27.94    17.4   0.096  1463.7
 340.0   1.97   1.95   34.96   27.94    17.1   0.098  1463.7
 350.0   1.94   1.93   34.96   27.94    17.1   0.099  1463.8
 360.0   1.93   1.91   34.96   27.94    17.2   0.101  1463.9
 370.0   1.87   1.85   34.96   27.95    16.7   0.103  1463.8
 380.0   1.87   1.84   34.96   27.95    16.7   0.105  1463.9
 390.0   1.81   1.79   34.95   27.95    17.0   0.106  1463.8
 400.0   1.78   1.76   34.95   27.95    16.5   0.108  1463.9
 410.0   1.64   1.62   34.94   27.95    16.6   0.110  1463.4
 420.0   1.59   1.57   34.94   27.95    16.0   0.111  1463.3
 430.0   1.59   1.57   34.94   27.96    16.0   0.113  1463.5
 440.0   1.56   1.54   34.94   27.96    15.9   0.115  1463.5
 450.0   1.52   1.50   34.94   27.96    15.5   0.116  1463.5
 460.0   1.50   1.47   34.94   27.96    15.2   0.118  1463.6
 470.0   1.42   1.39   34.93   27.96    15.3   0.119  1463.4
 480.0   1.33   1.30   34.93   27.97    14.9   0.121  1463.1
 490.0   1.29   1.26   34.93   27.97    14.7   0.122  1463.1
 500.0   1.25   1.23   34.93   27.97    14.5   0.124  1463.2
 530.0   1.03   1.01   34.92   27.98    13.7   0.128  1462.7
 560.0   0.89   0.87   34.91   27.98    13.2   0.132  1462.5
 590.0   0.75   0.72   34.91   27.99    12.4   0.136  1462.4
 620.0   0.55   0.52   34.90   28.00    11.3   0.140  1461.9
 650.0   0.30   0.28   34.90   28.01     9.8   0.143  1461.4
 680.0   0.17   0.13   34.90   28.02     8.8   0.146  1461.2

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

 710.0  -0.03  -0.06   34.89   28.02     8.0   0.148  1460.8
 740.0  -0.24  -0.28   34.89   28.03     6.5   0.150  1460.3
 776.2  -0.43  -0.46   34.89   28.04     5.0   0.153  1460.1
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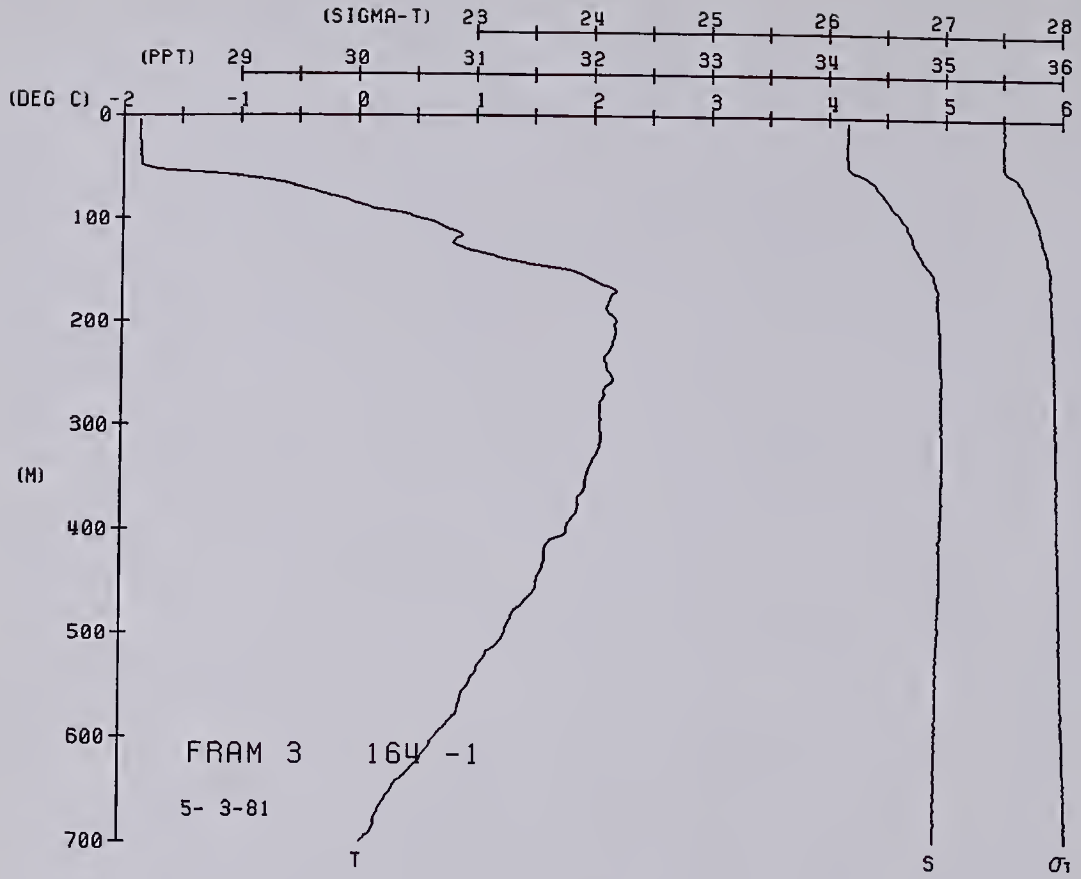

FRAM 3 164 -1

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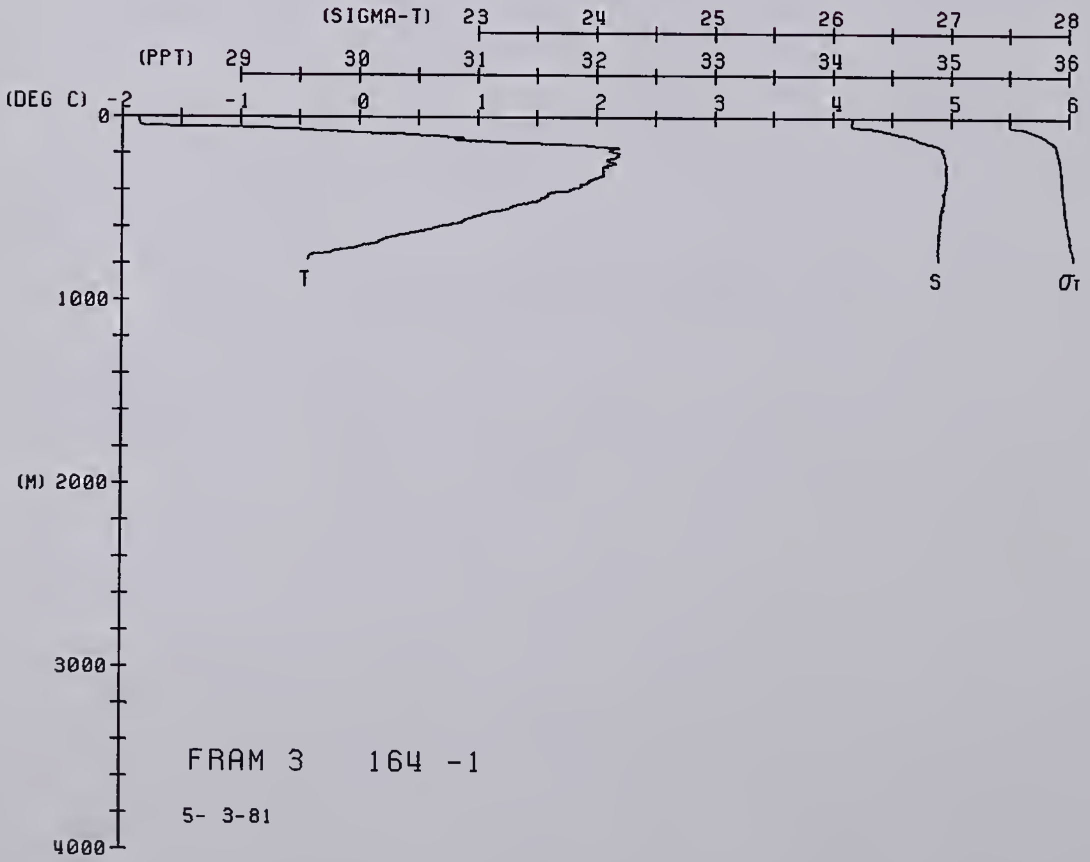

FRAM 3 164 -1

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                              FRAM 3  STATION 165(1) CTD   3/MAY/1981 1531 GMT  CODE = 5
                              LAT = 81.8072N LNG =   4.7050E LTER =    30. LGER =    30.
                              AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND          DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   34.16   27.50    57.2   0.000  1439.5          710.0   -0.01   -0.05   34.90   28.02     7.6   0.147  1460.9
   4.0   -1.86   -1.86   34.16   27.50    57.2   0.002  1439.6          740.0   -0.25   -0.28   34.89   28.03     6.2   0.149  1460.3
   5.0   -1.86   -1.86   34.16   27.50    57.1   0.003  1439.6          778.1   -0.43   -0.46   34.90   28.05     4.7   0.152  1460.1
  10.0   -1.86   -1.86   34.16   27.50    57.1   0.006  1439.7
  15.0   -1.86   -1.86   34.17   27.50    56.9   0.009  1439.7
  20.0   -1.85   -1.85   34.16   27.50    57.2   0.012  1439.8
  25.0   -1.85   -1.85   34.16   27.50    57.2   0.014  1439.9
  30.0   -1.85   -1.85   34.16   27.50    57.1   0.017  1440.0
  35.0   -1.85   -1.85   34.16   27.50    57.0   0.020  1440.1
  40.0   -1.84   -1.84   34.17   27.50    56.8   0.023  1440.2
  45.0   -1.82   -1.82   34.17   27.51    56.6   0.026  1440.4
  50.0   -1.68   -1.69   34.21   27.53    53.9   0.029  1441.2
  55.0   -1.16   -1.16   34.31   27.60    47.6   0.031  1443.9
  60.0   -0.94   -0.94   34.35   27.62    45.8   0.034  1445.1
  65.0   -0.67   -0.68   34.40   27.65    42.8   0.036  1446.4
  70.0   -0.50   -0.50   34.43   27.67    40.8   0.038  1447.4
  75.0   -0.35   -0.35   34.47   27.69    39.0   0.040  1448.2
  80.0   -0.18   -0.19   34.50   27.71    37.1   0.042  1449.1
  85.0   -0.02   -0.03   34.53   27.73    35.4   0.044  1450.0
  90.0    0.13    0.13   34.56   27.75    34.0   0.046  1450.8
  95.0    0.35    0.35   34.61   27.77    31.4   0.047  1451.9
 100.0    0.60    0.59   34.65   27.79    30.0   0.049  1453.2
 110.0    0.79    0.79   34.69   27.81    28.1   0.052  1454.3
 120.0    0.82    0.82   34.72   27.83    26.3   0.054  1454.6
 130.0    1.05    1.04   34.78   27.86    23.4   0.057  1455.9
 140.0    1.61    1.60   34.85   27.88    21.7   0.059  1458.6
 150.0    1.75    1.75   34.87   27.89    21.4   0.061  1459.5
 160.0    2.00    1.99   34.91   27.90    20.6   0.064  1460.8
 170.0    2.20    2.19   34.93   27.90    20.5   0.066  1461.9
 180.0    2.14    2.13   34.93   27.91    19.8   0.068  1461.8
 190.0    2.17    2.16   34.94   27.91    19.9   0.070  1462.1
 200.0    2.20    2.19   34.95   27.91    19.5   0.072  1462.4
 210.0    2.20    2.18   34.95   27.91    19.3   0.074  1462.5
 220.0    2.18    2.17   34.95   27.92    19.1   0.076  1462.6
 230.0    2.14    2.13   34.95   27.92    18.9   0.077  1462.6
 240.0    2.09    2.08   34.94   27.92    19.0   0.079  1462.6
 250.0    2.11    2.10   34.95   27.93    18.4   0.081  1462.8
 260.0    2.16    2.15   34.97   27.93    18.1   0.083  1463.2
 270.0    2.07    2.05   34.96   27.93    18.0   0.085  1463.0
 280.0    2.06    2.04   34.96   27.93    17.7   0.087  1463.1
 290.0    2.06    2.05   34.96   27.93    17.8   0.089  1463.3
 300.0    2.11    2.09   34.97   27.94    17.5   0.090  1463.6
 310.0    2.08    2.06   34.97   27.94    17.7   0.092  1463.7
 320.0    2.05    2.03   34.97   27.94    17.3   0.094  1463.7
 330.0    2.01    1.99   34.96   27.94    17.5   0.096  1463.7
 340.0    1.98    1.96   34.96   27.94    17.3   0.097  1463.7
 350.0    1.93    1.92   34.96   27.95    16.8   0.099  1463.7
 360.0    1.89    1.87   34.96   27.95    16.7   0.101  1463.7
 370.0    1.88    1.86   34.96   27.95    16.7   0.103  1463.8
 380.0    1.84    1.82   34.96   27.95    16.5   0.104  1463.8
 390.0    1.82    1.80   34.95   27.95    16.8   0.106  1463.9
 400.0    1.83    1.81   34.96   27.95    16.5   0.108  1464.1
 410.0    1.78    1.76   34.96   27.95    16.4   0.109  1464.0
 420.0    1.70    1.67   34.95   27.96    15.8   0.111  1463.8
 430.0    1.55    1.53   34.94   27.96    15.6   0.112  1463.3
 440.0    1.54    1.52   34.94   27.96    15.4   0.114  1463.4
 450.0    1.53    1.51   34.94   27.96    15.3   0.116  1463.6
 460.0    1.49    1.46   34.94   27.96    15.1   0.117  1463.5
 470.0    1.37    1.35   34.94   27.97    14.8   0.119  1463.2
 480.0    1.34    1.31   34.93   27.97    15.0   0.120  1463.2
 490.0    1.30    1.27   34.93   27.97    14.6   0.122  1463.2
 500.0    1.25    1.22   34.92   27.97    14.8   0.123  1463.1
 530.0    1.03    1.00   34.92   27.98    13.5   0.127  1462.6
 560.0    0.89    0.86   34.91   27.98    13.1   0.132  1462.5
 590.0    0.75    0.73   34.91   27.99    12.1   0.135  1462.4
 620.0    0.56    0.53   34.90   28.00    11.3   0.139  1462.0
 650.0    0.31    0.29   34.90   28.01     9.6   0.142  1461.4
 680.0    0.17    0.14   34.90   28.02     8.8   0.145  1461.2
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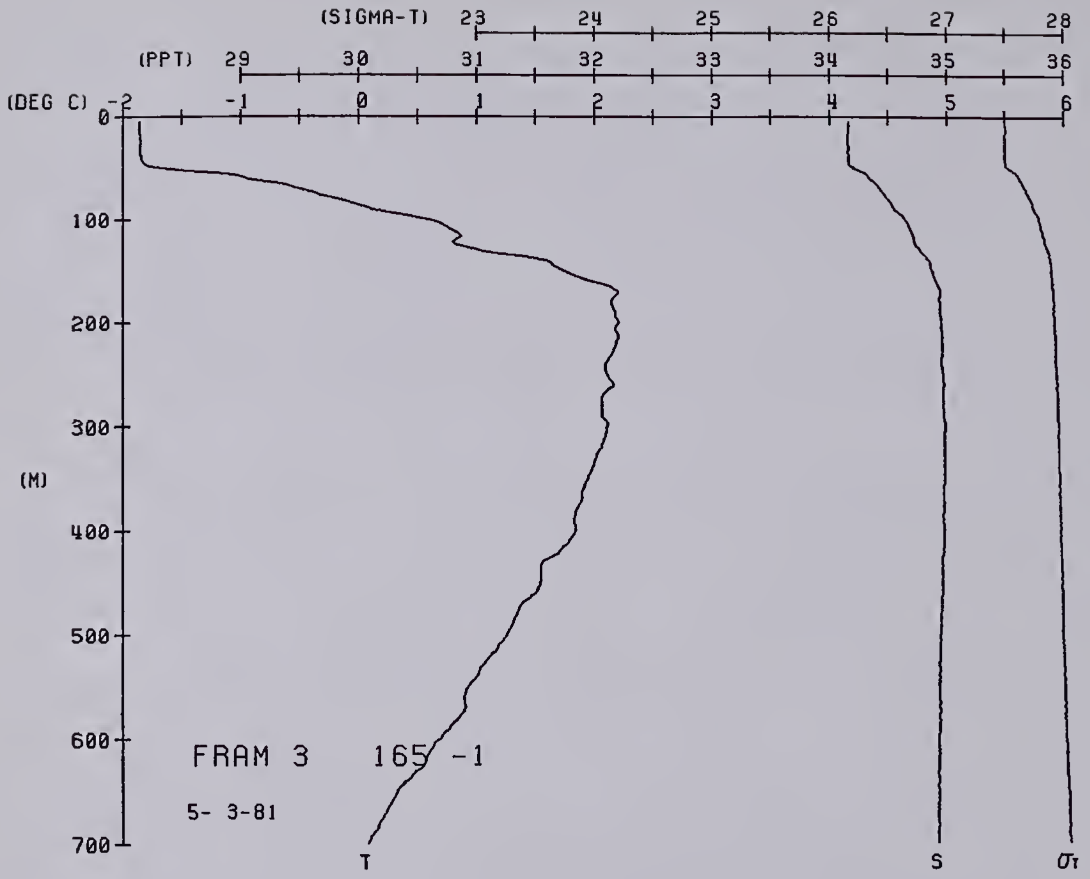
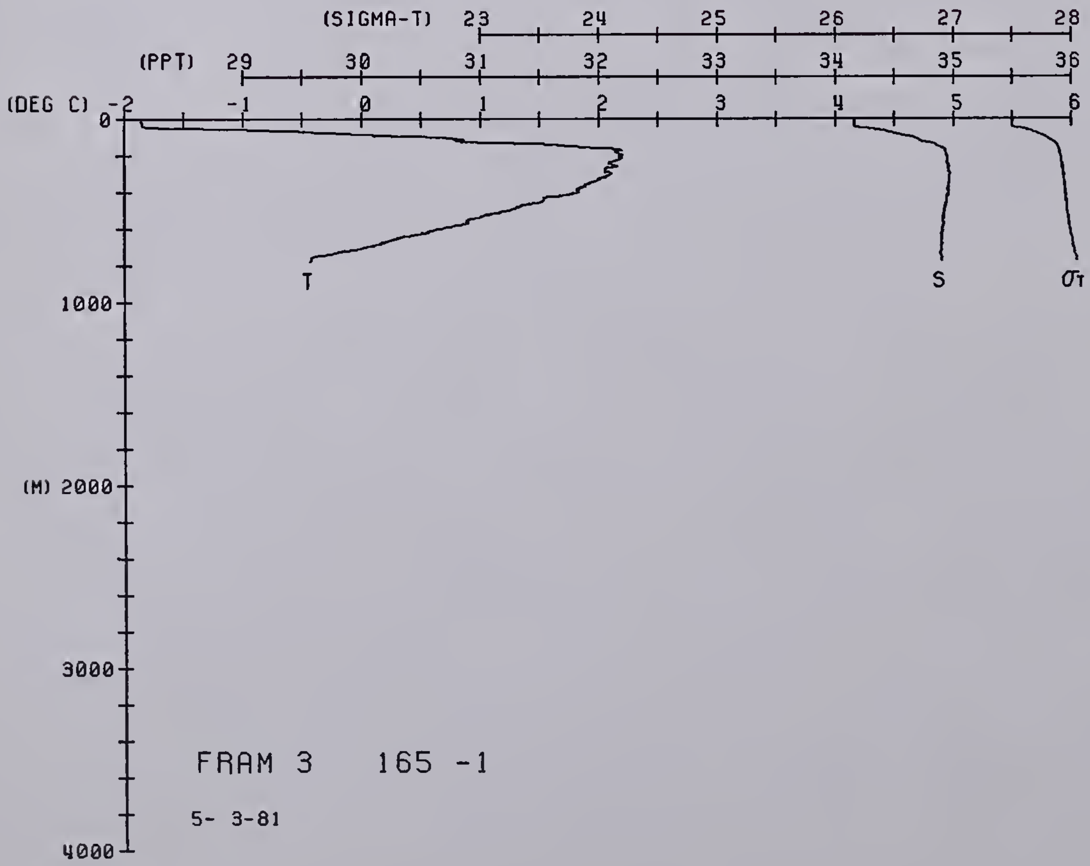


FRAM 3 165 -1

5- 3-81



FRAM 3 165 -1

5- 3-81

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                                                         FRAM 3  STATION 166(1) CTD   3/MAY/1981 1602 GMT  CODE = 5
                                                         LAT = 81.8070N LNG =   4.6980E LTER =    30. LGER =    30.
                                                         AIR TEMP =    0.0 BARUM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND                       DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.85   -1.85   34.16   27.50    57.3   0.000  1439.5                       710.0  -0.05   -0.08   34.90   28.03     7.3   0.148  1460.7
   4.0  -1.85   -1.85   34.16   27.50    57.3   0.002  1439.6                       740.0  -0.27   -0.30   34.89   28.04     6.1   0.150  1460.2
   5.0  -1.85   -1.85   34.16   27.50    57.3   0.003  1439.6                       778.1  -0.43   -0.46   34.90   28.04     4.9   0.152  1460.1
  10.0  -1.85   -1.85   34.16   27.50    57.2   0.006  1439.7
  15.0  -1.85   -1.85   34.16   27.50    57.2   0.009  1439.8
  20.0  -1.85   -1.85   34.16   27.50    57.2   0.012  1439.8
  25.0  -1.85   -1.85   34.16   27.50    57.0   0.014  1439.9
  30.0  -1.85   -1.85   34.17   27.50    56.9   0.017  1440.0
  35.0  -1.85   -1.85   34.16   27.50    57.1   0.020  1440.1
  40.0  -1.84   -1.84   34.16   27.50    57.1   0.023  1440.2
  45.0  -1.83   -1.83   34.17   27.51    56.6   0.026  1440.4
  50.0  -1.79   -1.79   34.18   27.51    55.7   0.029  1440.7
  55.0  -1.54   -1.54   34.23   27.55    52.4   0.032  1442.0
  60.0  -1.06   -1.06   34.33   27.61    46.4   0.034  1444.5
  65.0  -0.81   -0.81   34.38   27.64    43.8   0.036  1445.8
  70.0  -0.57   -0.57   34.43   27.68    40.5   0.038  1447.1
  75.0  -0.32   -0.32   34.48   27.70    38.3   0.040  1448.3
  80.0  -0.17   -0.17   34.50   27.71    37.0   0.042  1449.2
  85.0  -0.08   -0.08   34.52   27.72    36.0   0.044  1449.7
  90.0   0.06    0.06   34.56   27.75    34.1   0.046  1450.5
  95.0   0.31    0.30   34.61   27.77    31.7   0.048  1451.7
 100.0   0.56    0.56   34.65   27.79    29.8   0.049  1453.0
 110.0   0.83    0.82   34.69   27.81    28.3   0.052  1454.4
 120.0   0.91    0.90   34.72   27.83    26.8   0.055  1455.0
 130.0   0.93    0.92   34.75   27.85    24.5   0.057  1455.3
 140.0   1.33    1.33   34.82   27.88    22.1   0.060  1457.4
 150.0   1.89    1.88   34.89   27.89    21.2   0.062  1460.1
 160.0   2.06    2.05   34.92   27.90    20.5   0.064  1461.1
 170.0   2.16    2.15   34.93   27.90    20.6   0.066  1461.7
 180.0   2.19    2.18   34.94   27.91    19.9   0.068  1462.0
 190.0   2.21    2.20   34.94   27.91    19.7   0.070  1462.3
 200.0   2.19    2.18   34.94   27.91    19.6   0.072  1462.3
 210.0   2.13    2.12   34.94   27.92    19.1   0.074  1462.2
 220.0   2.19    2.17   34.95   27.92    19.0   0.076  1462.7
 230.0   2.15    2.13   34.95   27.92    19.1   0.078  1462.6
 240.0   2.08    2.06   34.95   27.92    18.6   0.080  1462.5
 250.0   2.10    2.09   34.95   27.93    18.4   0.082  1462.8
 260.0   2.16    2.15   34.96   27.93    18.2   0.084  1463.2
 270.0   2.13    2.12   34.96   27.93    18.0   0.086  1463.3
 280.0   2.12    2.10   34.97   27.94    17.7   0.087  1463.4
 290.0   2.13    2.11   34.97   27.93    17.8   0.089  1463.6
 300.0   2.12    2.10   34.97   27.94    17.3   0.091  1463.7
 310.0   2.06    2.04   34.96   27.94    17.6   0.093  1463.6
 320.0   2.06    2.05   34.97   27.94    17.2   0.094  1463.8
 330.0   2.04    2.02   34.96   27.94    17.4   0.096  1463.9
 340.0   1.98    1.96   34.96   27.94    17.3   0.098  1463.8
 350.0   1.95    1.93   34.96   27.95    17.0   0.100  1463.8
 360.0   1.91    1.89   34.96   27.95    16.7   0.101  1463.8
 370.0   1.90    1.88   34.96   27.95    16.7   0.103  1463.9
 380.0   1.86    1.84   34.96   27.95    16.7   0.105  1463.9
 390.0   1.84    1.81   34.96   27.95    16.5   0.106  1463.9
 400.0   1.80    1.77   34.96   27.95    16.3   0.108  1463.9
 410.0   1.73    1.71   34.95   27.95    16.3   0.110  1463.8
 420.0   1.69    1.67   34.95   27.96    16.0   0.111  1463.8
 430.0   1.62    1.60   34.94   27.96    16.0   0.113  1463.6
 440.0   1.55    1.53   34.94   27.96    15.8   0.115  1463.5
 450.0   1.52    1.50   34.94   27.96    15.3   0.116  1463.5
 460.0   1.49    1.47   34.94   27.96    15.2   0.118  1463.6
 470.0   1.40    1.38   34.93   27.96    15.4   0.119  1463.3
 480.0   1.36    1.33   34.93   27.97    15.0   0.121  1463.3
 490.0   1.33    1.30   34.93   27.97    15.0   0.122  1463.3
 500.0   1.24    1.21   34.92   27.97    14.6   0.124  1463.1
 530.0   1.06    1.03   34.92   27.98    13.8   0.128  1462.8
 560.0   0.90    0.87   34.92   27.98    12.8   0.132  1462.6
 590.0   0.81    0.78   34.91   27.98    12.7   0.136  1462.6
 620.0   0.57    0.54   34.90   28.00    11.2   0.140  1462.1
 650.0   0.32    0.29   34.90   28.01     9.6   0.143  1461.4
 680.0   0.16    0.13   34.90   28.02     8.8   0.146  1461.2
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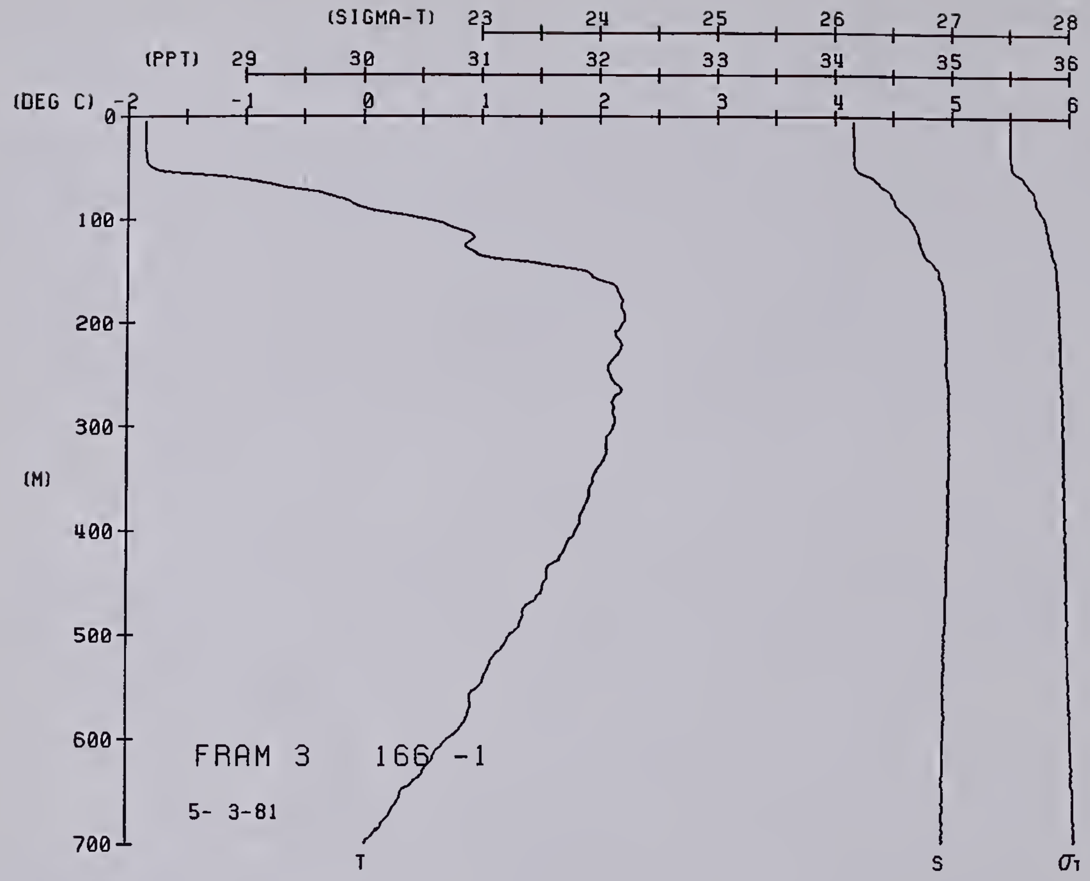
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(M)
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600
700
FRAM 3 166 -1
5- 3-81
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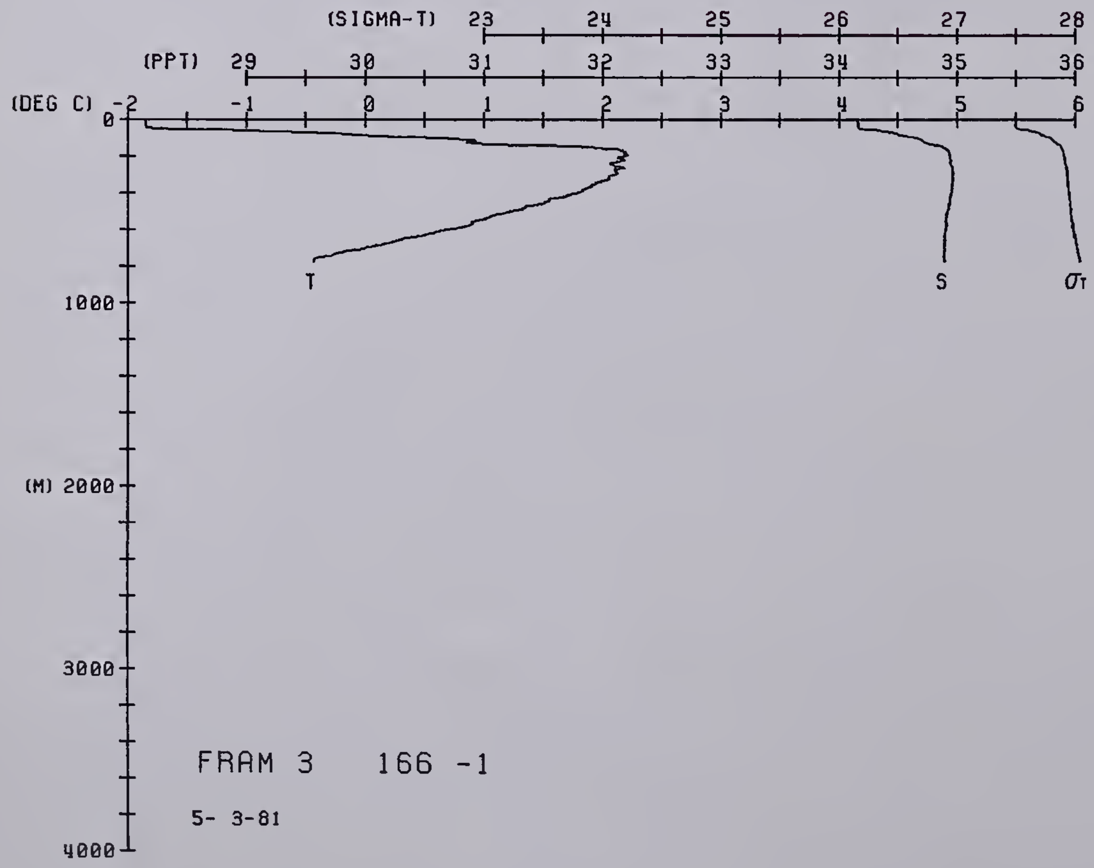
S
σ_T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(DEG C) -2 -1 0 1 2 3 4 5 6
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T
S
σ_T
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(M) 2000
3000
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5- 3-81
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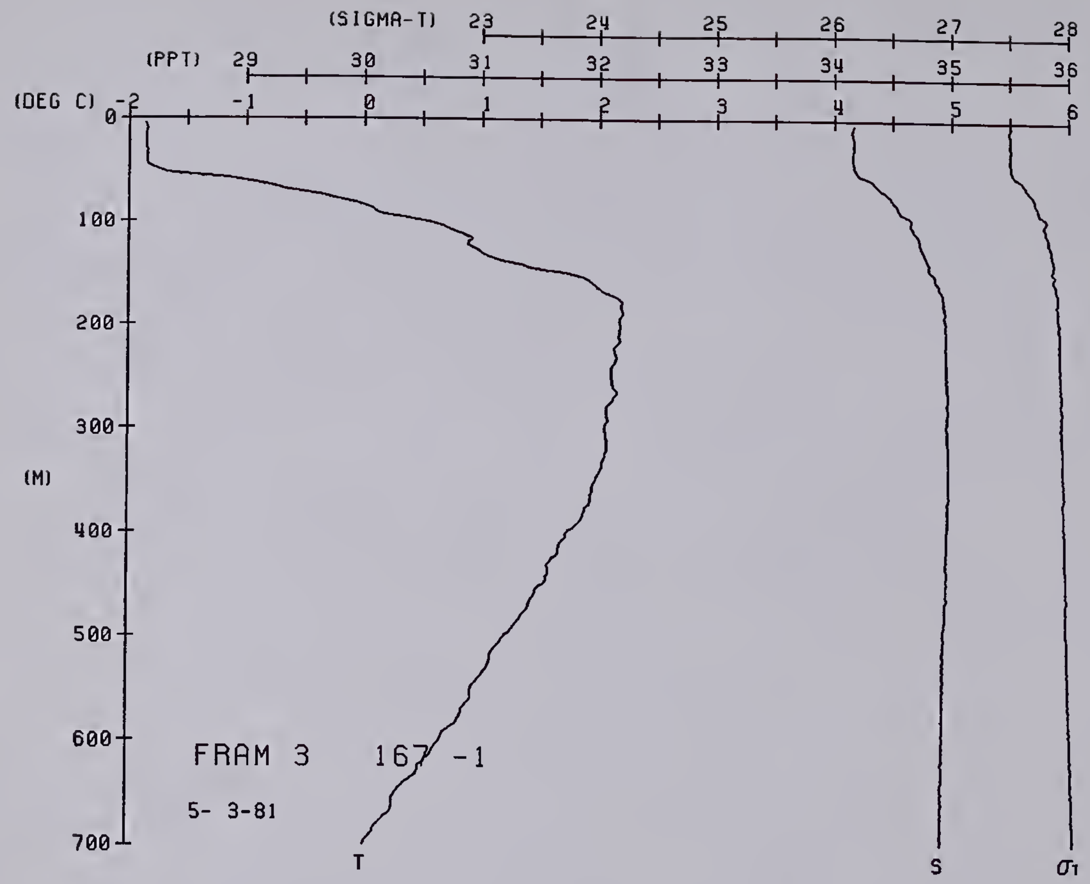
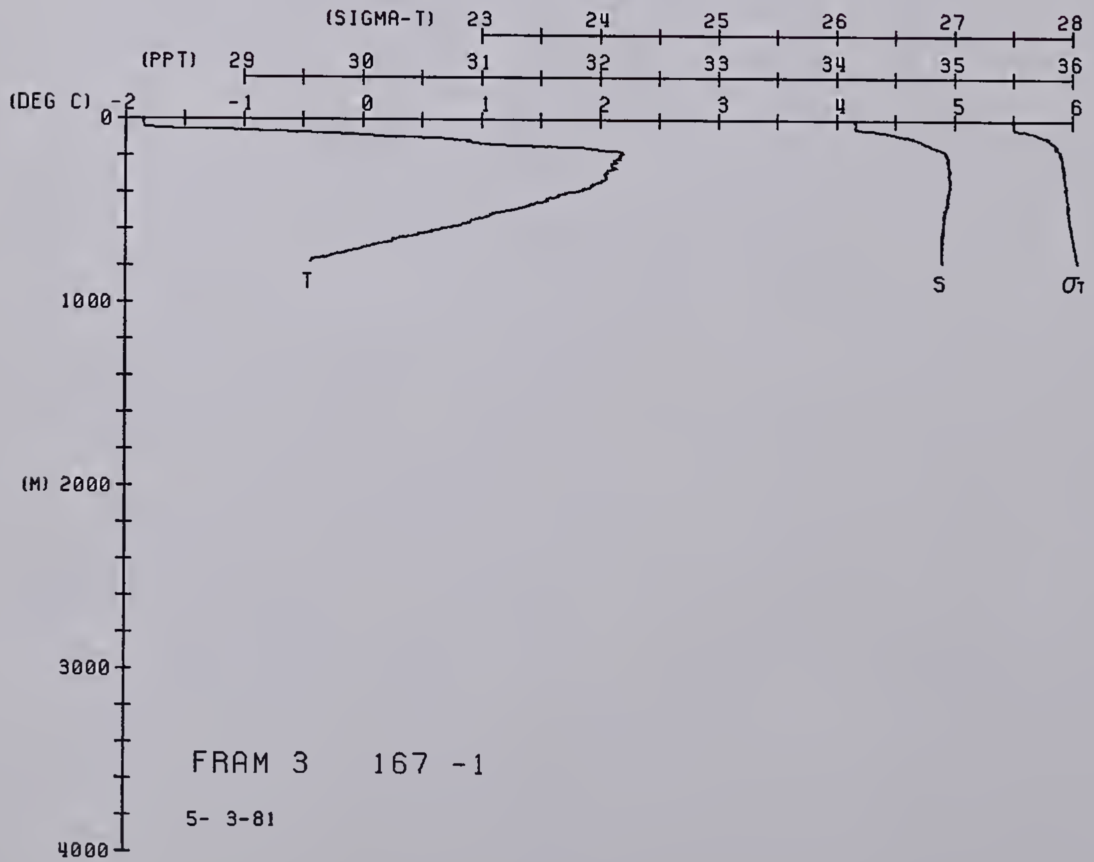
                                       FRAM 3  STATION 167(1) CTD   3/MAY/1981 1631 GMT  CODE = 5
                                       LAT = 81.8063N LNG =    4.6832E LTER =     30. LGER =     30.
                                       AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0
DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND          DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -1.86  -1.86   34.17   27.50    57.1   0.000  1439.5          710.0  -0.06  -0.09   34.90   28.03     7.4   0.148  1460.7
  4.0  -1.86  -1.86   34.17   27.50    57.0   0.002  1439.6          740.0  -0.25  -0.28   34.90   28.04     6.1   0.150  1460.3
  5.0  -1.85  -1.85   34.17   27.50    56.9   0.003  1439.6          779.1  -0.43  -0.46   34.90   28.04     4.9   0.152  1460.2
 10.0  -1.85  -1.85   34.15   27.49    57.9   0.006  1439.7
 15.0  -1.85  -1.85   34.16   27.50    57.3   0.009  1439.8
 20.0  -1.85  -1.85   34.16   27.50    57.0   0.012  1439.8
 25.0  -1.85  -1.85   34.16   27.50    57.0   0.014  1439.9
 30.0  -1.85  -1.85   34.16   27.50    57.0   0.017  1440.0
 35.0  -1.85  -1.85   34.16   27.50    57.2   0.020  1440.1
 40.0  -1.84  -1.84   34.16   27.50    57.0   0.023  1440.2
 45.0  -1.83  -1.83   34.17   27.51    56.4   0.026  1440.4
 50.0  -1.74  -1.74   34.19   27.52    55.4   0.029  1440.9
 55.0  -1.48  -1.48   34.24   27.56    51.9   0.032  1442.3
 60.0  -1.03  -1.03   34.33   27.61    46.4   0.034  1444.6
 65.0  -0.80  -0.80   34.37   27.64    44.2   0.036  1445.8
 70.0  -0.59  -0.59   34.43   27.68    40.3   0.038  1446.9
 75.0  -0.34  -0.34   34.48   27.70    37.9   0.040  1448.3
 80.0  -0.14  -0.15   34.51   27.72    36.7   0.042  1449.3
 85.0   0.02   0.02   34.54   27.74    34.9   0.044  1450.2
 90.0   0.10   0.10   34.57   27.76    33.2   0.046  1450.7
 95.0   0.28   0.27   34.65   27.81    28.4   0.047  1451.6
100.0   0.55   0.54   34.65   27.79    30.1   0.049  1453.0
110.0   0.79   0.78   34.70   27.81    27.8   0.052  1454.3
120.0   0.88   0.88   34.73   27.84    25.9   0.054  1454.9
130.0   1.00   1.00   34.77   27.86    23.9   0.057  1455.7
140.0   1.28   1.27   34.81   27.87    22.5   0.059  1457.1
150.0   1.74   1.73   34.86   27.88    22.3   0.062  1459.4
160.0   1.95   1.94   34.89   27.89    21.4   0.064  1460.6
170.0   2.08   2.07   34.92   27.90    20.4   0.066  1461.3
180.0   2.18   2.17   34.93   27.90    20.5   0.068  1462.0
190.0   2.19   2.18   34.94   27.90    20.1   0.070  1462.1
200.0   2.17   2.16   34.95   27.91    19.2   0.072  1462.3
210.0   2.16   2.15   34.95   27.92    19.0   0.074  1462.4
220.0   2.14   2.12   34.94   27.92    19.2   0.076  1462.4
230.0   2.14   2.13   34.95   27.92    19.0   0.078  1462.6
240.0   2.11   2.09   34.95   27.92    18.6   0.080  1462.6
250.0   2.10   2.09   34.95   27.93    18.3   0.082  1462.8
260.0   2.11   2.10   34.96   27.93    18.1   0.083  1463.0
270.0   2.12   2.10   34.96   27.93    17.8   0.085  1463.2
280.0   2.06   2.04   34.96   27.94    17.5   0.087  1463.1
290.0   2.07   2.05   34.96   27.93    17.8   0.089  1463.3
300.0   2.05   2.03   34.96   27.93    18.0   0.091  1463.4
310.0   2.05   2.04   34.95   27.93    18.3   0.093  1463.6
320.0   2.06   2.04   34.97   27.94    17.4   0.094  1463.8
330.0   2.03   2.01   34.96   27.94    17.4   0.096  1463.8
340.0   2.01   1.99   34.96   27.94    17.4   0.098  1463.9
350.0   1.96   1.94   34.96   27.95    17.0   0.100  1463.8
360.0   1.93   1.91   34.96   27.95    16.7   0.101  1463.9
370.0   1.91   1.89   34.96   27.95    16.8   0.103  1464.0
380.0   1.87   1.84   34.96   27.95    16.7   0.105  1463.9
390.0   1.82   1.80   34.96   27.95    16.5   0.106  1463.9
400.0   1.72   1.69   34.95   27.95    16.2   0.108  1463.6
410.0   1.67   1.64   34.95   27.96    15.7   0.110  1463.5
420.0   1.64   1.62   34.95   27.96    16.0   0.111  1463.6
430.0   1.56   1.54   34.94   27.96    15.6   0.113  1463.4
440.0   1.56   1.54   34.95   27.96    15.3   0.114  1463.5
450.0   1.51   1.49   34.94   27.96    15.2   0.116  1463.5
460.0   1.44   1.42   34.94   27.97    14.7   0.118  1463.3
470.0   1.40   1.37   34.94   27.97    14.8   0.119  1463.3
480.0   1.34   1.31   34.93   27.97    14.9   0.121  1463.2
490.0   1.27   1.25   34.93   27.97    14.7   0.122  1463.1
500.0   1.19   1.16   34.92   27.97    14.3   0.123  1462.9
530.0   1.04   1.02   34.91   27.97    14.0   0.128  1462.7
560.0   0.90   0.88   34.91   27.98    13.0   0.132  1462.6
590.0   0.70   0.67   34.91   27.99    11.9   0.136  1462.1
620.0   0.50   0.47   34.90   27.99    11.3   0.139  1461.7
650.0   0.27   0.25   34.90   28.01     9.7   0.142  1461.2
680.0   0.11   0.08   34.90   28.02     8.4   0.145  1461.0
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 167 -1
5- 3-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 167 -1
5- 3-81
T
S
σT

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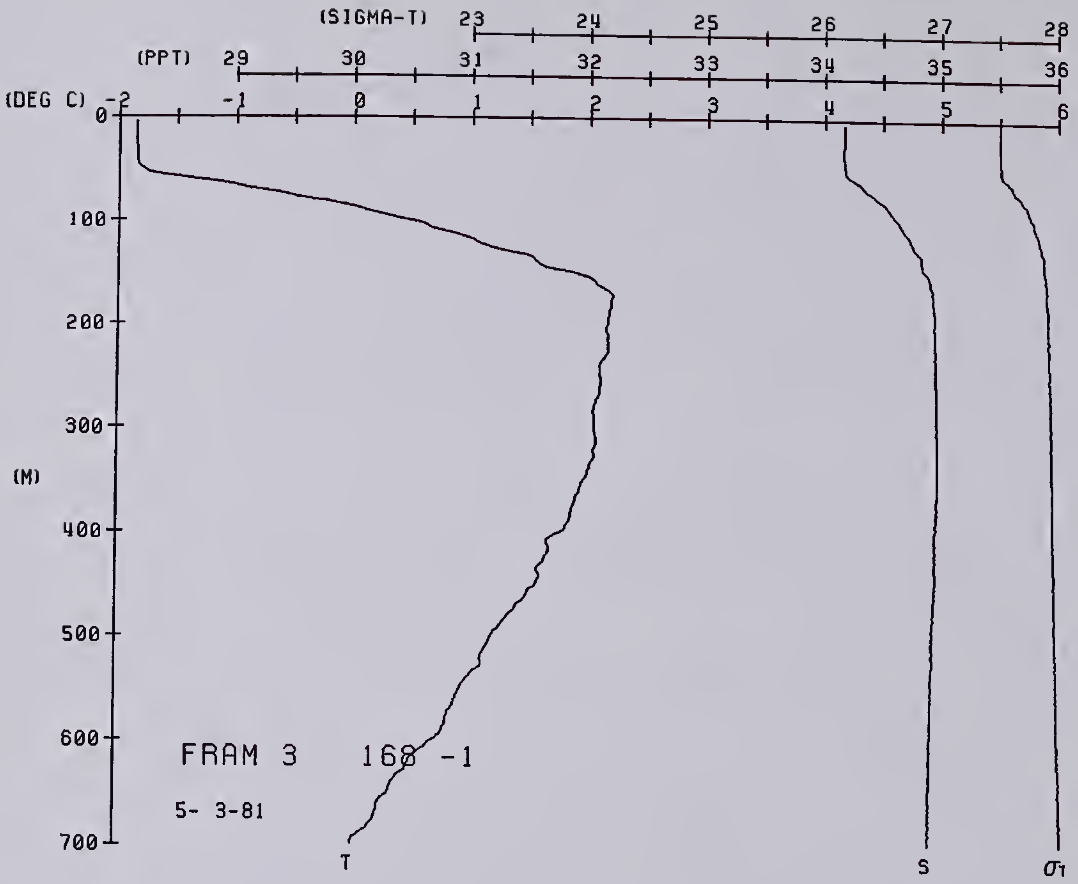
LAT = 81.8060N LNG =   4.6778E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

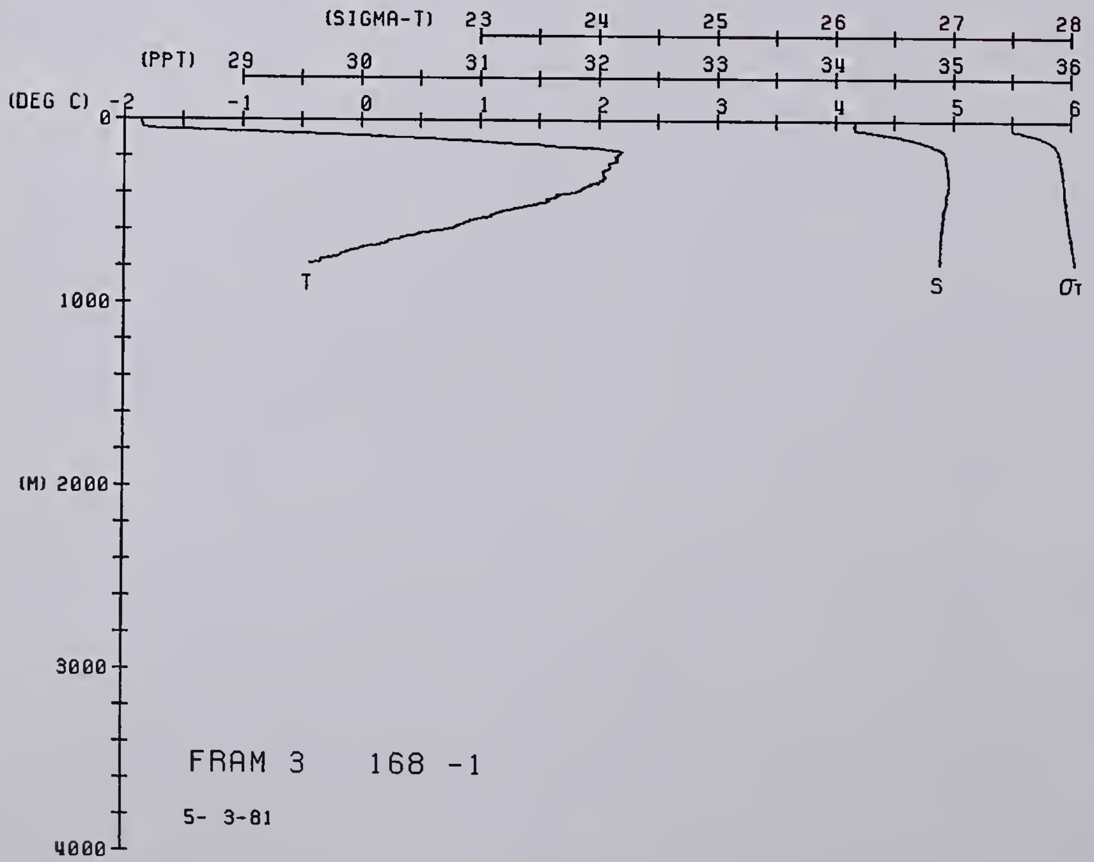
 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.85  -1.85  34.16  27.50   57.2  0.000  1439.5
   4.0  -1.85  -1.85  34.16  27.50   57.2  0.002  1439.6
   5.0  -1.85  -1.85  34.16  27.50   57.1  0.003  1439.6
  10.0  -1.85  -1.85  34.16  27.50   57.2  0.006  1439.7
  15.0  -1.85  -1.85  34.16  27.50   57.0  0.009  1439.8
  20.0  -1.85  -1.85  34.16  27.50   57.0  0.012  1439.8
  25.0  -1.85  -1.85  34.16  27.50   57.0  0.014  1439.9
  30.0  -1.85  -1.85  34.16  27.50   57.3  0.017  1440.0
  35.0  -1.85  -1.85  34.16  27.50   57.1  0.020  1440.1
  40.0  -1.85  -1.85  34.16  27.50   56.9  0.023  1440.2
  45.0  -1.83  -1.83  34.17  27.50   56.7  0.026  1440.3
  50.0  -1.79  -1.80  34.17  27.51   56.3  0.029  1440.6
  55.0  -1.68  -1.69  34.20  27.53   54.2  0.032  1441.3
  60.0  -1.36  -1.36  34.27  27.57   50.2  0.034  1443.0
  65.0  -1.06  -1.06  34.32  27.61   47.0  0.037  1444.5
  70.0  -0.81  -0.81  34.37  27.63   44.5  0.039  1445.8
  75.0  -0.57  -0.57  34.43  27.68   40.5  0.041  1447.1
  80.0  -0.34  -0.34  34.49  27.71   37.3  0.043  1448.4
  85.0  -0.06  -0.06  34.54  27.74   35.0  0.045  1449.8
  90.0   0.11   0.11  34.57  27.75   33.3  0.047  1450.7
  95.0   0.28   0.27  34.60  27.77   31.8  0.048  1451.6
 100.0   0.50   0.50  34.64  27.79   30.4  0.050  1452.7
 110.0   0.76   0.76  34.70  27.82   27.6  0.053  1454.2
 120.0   1.04   1.04  34.75  27.84   25.5  0.055  1455.7
 130.0   1.35   1.34  34.81  27.87   22.8  0.058  1457.3
 140.0   1.57   1.56  34.83  27.87   22.9  0.060  1458.4
 150.0   1.88   1.87  34.88  27.89   21.5  0.062  1460.1
 160.0   2.06   2.05  34.91  27.89   20.8  0.065  1461.0
 170.0   2.19   2.18  34.93  27.90   20.8  0.067  1461.8
 180.0   2.18   2.17  34.93  27.90   20.2  0.069  1462.0
 190.0   2.17   2.16  34.94  27.91   19.9  0.071  1462.1
 200.0   2.15   2.14  34.94  27.91   19.6  0.073  1462.1
 210.0   2.15   2.14  34.94  27.91   19.6  0.075  1462.3
 220.0   2.15   2.14  34.94  27.91   19.3  0.077  1462.5
 230.0   2.14   2.12  34.95  27.92   19.1  0.079  1462.6
 240.0   2.09   2.07  34.95  27.92   18.5  0.081  1462.5
 250.0   2.09   2.08  34.95  27.92   18.8  0.083  1462.7
 260.0   2.09   2.08  34.96  27.93   17.9  0.084  1462.9
 270.0   2.07   2.06  34.96  27.93   18.1  0.086  1463.0
 280.0   2.04   2.02  34.96  27.93   17.7  0.088  1463.0
 290.0   2.05   2.03  34.96  27.93   17.8  0.090  1463.2
 300.0   2.04   2.02  34.96  27.94   17.3  0.092  1463.4
 310.0   2.06   2.04  34.97  27.94   17.4  0.093  1463.6
 320.0   2.04   2.02  34.97  27.94   17.3  0.095  1463.7
 330.0   2.03   2.01  34.96  27.94   17.7  0.097  1463.8
 340.0   2.00   1.98  34.96  27.94   17.4  0.099  1463.8
 350.0   1.95   1.93  34.96  27.95   17.0  0.100  1463.8
 360.0   1.92   1.90  34.96  27.95   16.9  0.102  1463.8
 370.0   1.88   1.86  34.96  27.95   16.7  0.104  1463.8
 380.0   1.85   1.83  34.96  27.95   16.6  0.105  1463.9
 390.0   1.82   1.80  34.95  27.95   16.7  0.107  1463.9
 400.0   1.75   1.73  34.95  27.95   16.8  0.109  1463.7
 410.0   1.65   1.63  34.95  27.96   16.0  0.111  1463.4
 420.0   1.65   1.63  34.94  27.95   16.2  0.112  1463.6
 430.0   1.59   1.57  34.94  27.96   15.9  0.114  1463.5
 440.0   1.59   1.56  34.95  27.96   15.5  0.115  1463.7
 450.0   1.55   1.53  34.94  27.96   15.6  0.117  1463.7
 460.0   1.47   1.45  34.94  27.97   15.0  0.118  1463.5
 470.0   1.39   1.37  34.94  27.97   14.8  0.120  1463.3
 480.0   1.32   1.29  34.93  27.97   14.9  0.122  1463.1
 490.0   1.25   1.22  34.93  27.97   14.5  0.123  1463.0
 500.0   1.18   1.15  34.92  27.97   14.4  0.124  1462.8
 530.0   1.07   1.05  34.92  27.98   13.8  0.129  1462.8
 560.0   0.88   0.85  34.92  27.99   12.6  0.133  1462.4
 590.0   0.77   0.74  34.91  27.99   12.0  0.136  1462.5
 620.0   0.49   0.46  34.90  28.00   10.8  0.140  1461.7
 650.0   0.31   0.29  34.90  28.00   10.1  0.143  1461.4
 680.0   0.16   0.13  34.90  28.02    8.8  0.146  1461.2
```

```
 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

 710.0  -0.08  -0.11  34.90  28.03    7.1  0.148  1460.6
 740.0  -0.18  -0.21  34.89  28.03    6.8  0.151  1460.6
 784.0  -0.44  -0.47  34.89  28.04    5.0  0.153  1460.2
```


(SIGMA-T)
23
24
25
26
27
28
(PPT)
29
30
31
32
33
34
35
36
(DEG C)
-2
-1
0
1
2
3
4
5
6
0
100
200
300
(M)
400
500
600
700
FRAM 3 168 -1
5- 3-81
T
S
σT


(SIGMA-T)
23
24
25
26
27
28
(PPT)
29
30
31
32
33
34
35
36
(DEG C)
-2
-1
0
1
2
3
4
5
6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 168 -1
5- 3-81

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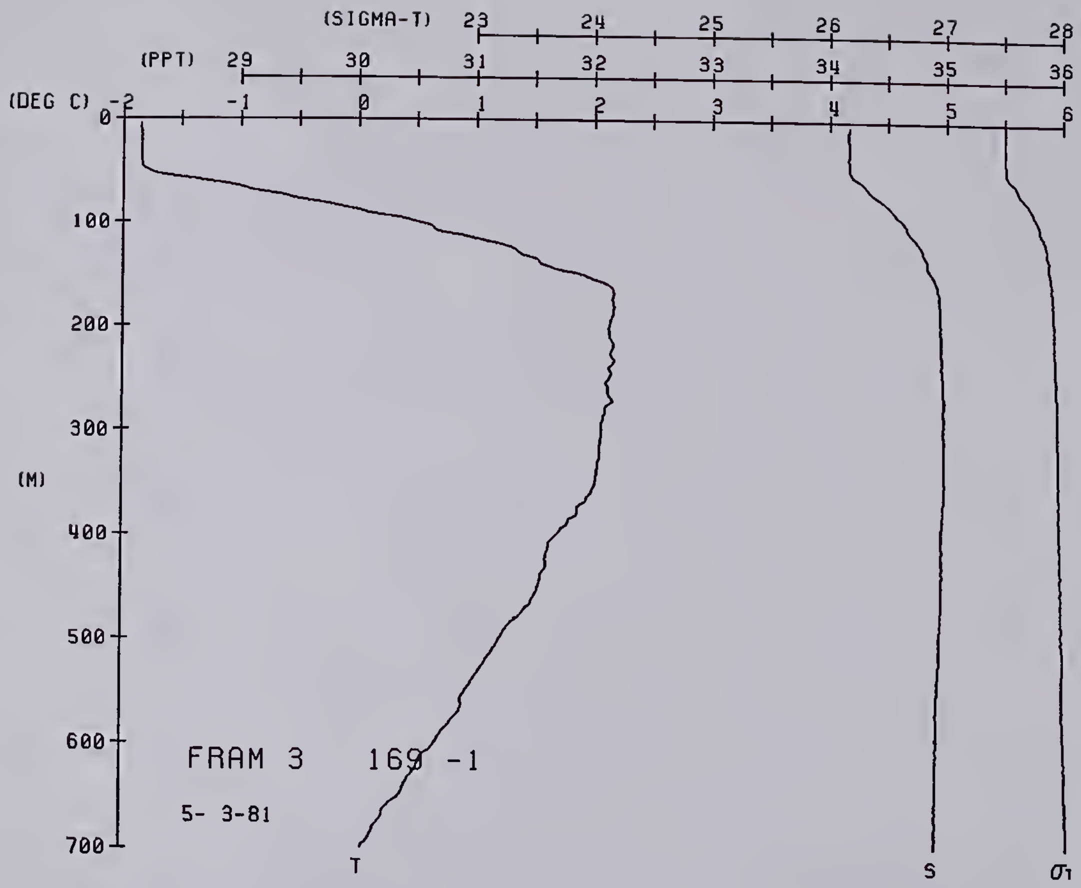
                                                   FRAM 3  STATION 169(1) CTD   3/MAY/1981 1730 GMT  CODE = 5
                                                   LAT = 81.8055N LNG =   4.6698E LTER =    30. LGER =    30.
                                                   AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND             DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.85   -1.85   34.16   27.50    57.2   0.000  1439.5             710.0   -0.09   -0.12   34.90   28.03     7.2   0.146  1460.5
  4.0   -1.85   -1.85   34.16   27.50    57.2   0.002  1439.6             740.0   -0.23   -0.27   34.90   28.04     5.7   0.147  1460.4
  5.0   -1.85   -1.85   34.16   27.50    57.1   0.003  1439.6             787.0   -0.44   -0.47   34.91   28.05     3.9   0.150  1460.3
 10.0   -1.85   -1.85   34.17   27.50    56.9   0.006  1439.7
 15.0   -1.85   -1.85   34.16   27.50    57.2   0.009  1439.8
 20.0   -1.85   -1.85   34.16   27.50    57.2   0.012  1439.9
 25.0   -1.85   -1.85   34.16   27.50    57.1   0.014  1439.9
 30.0   -1.85   -1.85   34.16   27.50    56.9   0.017  1440.0
 35.0   -1.85   -1.85   34.17   27.50    56.8   0.020  1440.1
 40.0   -1.84   -1.84   34.17   27.50    56.8   0.023  1440.2
 45.0   -1.83   -1.83   34.17   27.51    56.6   0.026  1440.4
 50.0   -1.79   -1.79   34.18   27.51    56.1   0.029  1440.7
 55.0   -1.62   -1.62   34.22   27.54    53.1   0.032  1441.6
 60.0   -1.29   -1.29   34.29   27.59    48.9   0.034  1443.3
 65.0   -1.03   -1.03   34.32   27.61    47.0   0.037  1444.7
 70.0   -0.84   -0.84   34.37   27.63    44.5   0.039  1445.7
 75.0   -0.59   -0.59   34.43   27.67    40.7   0.041  1447.0
 80.0   -0.36   -0.36   34.48   27.71    37.7   0.043  1448.2
 85.0   -0.11   -0.12   34.53   27.73    35.2   0.045  1449.5
 90.0    0.09    0.09   34.57   27.75    33.4   0.047  1450.6
 95.0    0.36    0.35   34.62   27.78    31.3   0.048  1452.0
100.0    0.54    0.54   34.65   27.79    29.7   0.050  1452.9
110.0    0.78    0.77   34.71   27.82    27.0   0.053  1454.2
120.0    1.19    1.19   34.78   27.85    24.4   0.055  1456.4
130.0    1.40    1.39   34.81   27.87    22.9   0.058  1457.5
140.0    1.58    1.57   34.83   27.87    22.8   0.060  1458.5
150.0    1.92    1.92   34.89   27.89    21.4   0.062  1460.3
160.0    2.14    2.13   34.92   27.90    20.5   0.064  1461.4
170.0    2.16    2.15   34.94   27.91    19.7   0.066  1461.7
180.0    2.16    2.15   34.94   27.91    19.5   0.068  1461.9
190.0    2.15    2.14   34.94   27.91    19.6   0.070  1462.0
200.0    2.12    2.11   34.94   27.92    19.1   0.072  1462.0
210.0    2.13    2.12   34.95   27.92    18.8   0.074  1462.2
220.0    2.15    2.14   34.95   27.92    18.6   0.076  1462.5
230.0    2.16    2.15   34.96   27.93    18.4   0.078  1462.7
240.0    2.12    2.11   34.95   27.93    18.4   0.080  1462.7
250.0    2.11    2.10   34.97   27.94    17.4   0.082  1462.8
260.0    2.12    2.10   34.96   27.93    17.7   0.083  1463.0
270.0    2.15    2.14   34.98   27.94    16.8   0.085  1463.4
280.0    2.09    2.07   34.97   27.94    17.4   0.087  1463.2
290.0    2.07    2.05   34.97   27.94    17.0   0.089  1463.3
300.0    2.06    2.04   34.97   27.94    17.3   0.090  1463.4
310.0    2.05    2.03   34.97   27.94    16.9   0.092  1463.6
320.0    2.05    2.03   34.97   27.95    16.7   0.094  1463.7
330.0    2.03    2.01   34.97   27.95    16.6   0.095  1463.8
340.0    2.02    2.00   34.97   27.95    16.6   0.097  1463.9
350.0    2.00    1.98   34.98   27.95    16.5   0.099  1464.0
360.0    1.96    1.94   34.97   27.95    16.7   0.100  1464.0
370.0    1.90    1.87   34.97   27.95    16.3   0.102  1463.9
380.0    1.85    1.83   34.96   27.95    16.2   0.104  1463.8
390.0    1.76    1.74   34.96   27.96    16.0   0.105  1463.6
400.0    1.67    1.65   34.95   27.96    15.6   0.107  1463.4
410.0    1.62    1.59   34.95   27.96    15.5   0.109  1463.3
420.0    1.59    1.57   34.95   27.97    15.0   0.110  1463.3
430.0    1.59    1.57   34.95   27.97    15.0   0.112  1463.5
440.0    1.55    1.53   34.95   27.97    15.0   0.113  1463.5
450.0    1.52    1.50   34.95   27.97    14.8   0.115  1463.6
460.0    1.48    1.46   34.95   27.97    14.5   0.116  1463.5
470.0    1.42    1.39   34.95   27.97    14.3   0.118  1463.4
480.0    1.34    1.31   34.94   27.98    13.9   0.119  1463.2
490.0    1.25    1.23   34.94   27.98    13.9   0.120  1463.0
500.0    1.20    1.17   34.93   27.98    13.8   0.122  1462.9
530.0    1.03    1.00   34.93   27.98    12.9   0.126  1462.6
560.0    0.88    0.86   34.91   27.98    13.2   0.130  1462.5
590.0    0.71    0.68   34.91   27.99    12.0   0.134  1462.2
620.0    0.51    0.48   34.91   28.00    10.7   0.137  1461.8
650.0    0.35    0.32   34.90   28.01     9.8   0.140  1461.6
680.0    0.14    0.11   34.90   28.02     8.6   0.143  1461.1
```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(PPT) 29 30 31 32 33 34 35 36
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100
200
300
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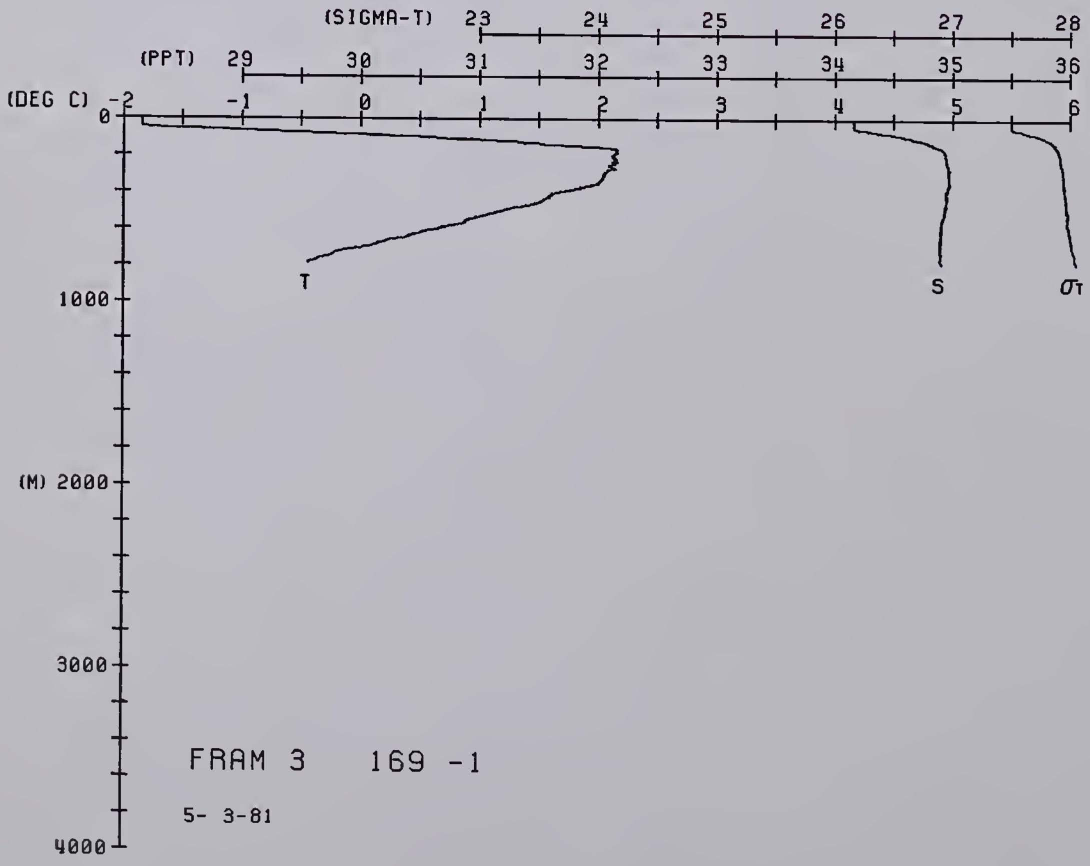
700
FRAM 3 169 -1
5- 3-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 169 -1
5- 3-81

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 FRAM 3  STATION 170(1) CTD    3/MAY/1981 1802 GMT  CODE = 5
LAT = 81.8045N LNG =    4.6553E LTER =      30. LGER =     30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   34.16   27.50    57.2   0.000  1439.5
   4.0   -1.85   -1.85   34.16   27.50    57.2   0.002  1439.6
   5.0   -1.85   -1.85   34.16   27.50    57.1   0.003  1439.6
  10.0   -1.85   -1.85   34.17   27.50    56.9   0.006  1439.7
  15.0   -1.85   -1.85   34.16   27.50    57.2   0.009  1439.8
  20.0   -1.85   -1.85   34.16   27.50    57.0   0.012  1439.9
  25.0   -1.85   -1.85   34.16   27.50    57.0   0.014  1440.0
  30.0   -1.85   -1.85   34.17   27.50    56.8   0.017  1440.0
  35.0   -1.84   -1.84   34.16   27.50    56.9   0.020  1440.1
  40.0   -1.83   -1.83   34.17   27.51    56.6   0.023  1440.3
  45.0   -1.80   -1.80   34.17   27.51    56.2   0.026  1440.5
  50.0   -1.68   -1.68   34.20   27.53    54.7   0.029  1441.2
  55.0   -1.42   -1.43   34.25   27.56    51.1   0.031  1442.6
  60.0   -1.19   -1.19   34.30   27.59    48.6   0.034  1443.8
  65.0   -1.05   -1.05   34.32   27.61    47.0   0.036  1444.6
  70.0   -0.79   -0.79   34.40   27.66    42.1   0.039  1446.0
  75.0   -0.52   -0.52   34.45   27.69    39.6   0.041  1447.4
  80.0   -0.31   -0.31   34.50   27.71    37.0   0.043  1448.5
  85.0   -0.12   -0.13   34.54   27.74    34.8   0.044  1449.5
  90.0    0.18    0.18   34.59   27.77    32.0   0.046  1451.1
  95.0    0.49    0.49   34.63   27.78    30.9   0.048  1452.6
 100.0    0.65    0.64   34.66   27.80    29.5   0.049  1453.4
 110.0    0.83    0.83   34.71   27.82    26.8   0.052  1454.5
 120.0    1.17    1.17   34.77   27.85    24.3   0.055  1456.3
 130.0    1.47    1.46   34.82   27.87    23.1   0.057  1457.8
 140.0    1.66    1.66   34.85   27.88    22.3   0.059  1458.9
 150.0    1.90    1.89   34.89   27.89    21.2   0.062  1460.1
 160.0    2.08    2.07   34.91   27.89    20.9   0.064  1461.1
 170.0    2.16    2.16   34.93   27.90    20.3   0.066  1461.7
 180.0    2.15    2.14   34.93   27.90    20.3   0.068  1461.8
 190.0    2.15    2.14   34.94   27.91    19.7   0.070  1462.0
 200.0    2.14    2.13   34.94   27.91    19.6   0.072  1462.1
 210.0    2.14    2.13   34.94   27.92    19.1   0.074  1462.3
 220.0    2.14    2.13   34.95   27.92    18.6   0.076  1462.5
 230.0    2.16    2.14   34.96   27.93    18.3   0.078  1462.7
 240.0    2.15    2.14   34.96   27.93    18.4   0.079  1462.8
 250.0    2.10    2.08   34.95   27.93    18.3   0.081  1462.8
 260.0    2.09    2.08   34.96   27.94    17.5   0.083  1462.9
 270.0    2.14    2.13   34.97   27.94    17.3   0.085  1463.3
 280.0    2.20    2.19   34.98   27.94    17.2   0.087  1463.8
 290.0    2.12    2.11   34.97   27.94    17.2   0.088  1463.6
 300.0    2.10    2.08   34.97   27.94    17.3   0.090  1463.6
 310.0    2.09    2.07   34.97   27.94    17.6   0.092  1463.7
 320.0    2.05    2.03   34.97   27.94    17.1   0.094  1463.7
 330.0    2.03    2.01   34.97   27.95    16.8   0.095  1463.8
 340.0    2.01    1.99   34.97   27.95    16.7   0.097  1463.9
 350.0    1.98    1.96   34.97   27.95    16.8   0.099  1463.9
 360.0    1.95    1.92   34.97   27.95    16.3   0.100  1463.9
 370.0    1.92    1.90   34.97   27.95    16.5   0.102  1464.0
 380.0    1.81    1.79   34.96   27.95    16.1   0.104  1463.7
 390.0    1.76    1.74   34.95   27.95    16.1   0.105  1463.6
 400.0    1.71    1.68   34.95   27.96    16.0   0.107  1463.5
 410.0    1.61    1.59   34.95   27.96    15.7   0.109  1463.3
 420.0    1.60    1.58   34.95   27.97    15.1   0.110  1463.4
 430.0    1.59    1.57   34.95   27.96    15.2   0.112  1463.5
 440.0    1.55    1.53   34.95   27.97    14.8   0.113  1463.5
 450.0    1.53    1.51   34.95   27.97    14.7   0.115  1463.6
 460.0    1.50    1.47   34.95   27.97    14.5   0.116  1463.6
 470.0    1.46    1.44   34.95   27.97    14.3   0.118  1463.6
 480.0    1.39    1.37   34.95   27.98    13.8   0.119  1463.5
 490.0    1.31    1.29   34.94   27.97    14.2   0.120  1463.3
 500.0    1.24    1.21   34.93   27.97    14.1   0.122  1463.1
 502.0    1.23    1.20   34.94   27.98    13.2   0.122  1463.1
```

```
 FRAM 3  STATION 171(1) CTD    3/MAY/1981 2119 GMT  CODE = 5
LAT = 81.7987N LNG =    4.5842E LTER =      30. LGER =     30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   34.17   27.50    57.0   0.000  1439.5
   4.0   -1.85   -1.85   34.17   27.50    57.0   0.002  1439.6
   5.0   -1.85   -1.85   34.17   27.50    57.0   0.003  1439.6
  10.0   -1.85   -1.85   34.17   27.50    56.9   0.006  1439.7
  15.0   -1.85   -1.85   34.17   27.50    56.9   0.009  1439.8
  20.0   -1.85   -1.85   34.17   27.51    56.8   0.012  1439.8
  25.0   -1.85   -1.85   34.16   27.50    57.1   0.014  1439.9
  30.0   -1.85   -1.85   34.16   27.50    57.0   0.017  1440.0
  35.0   -1.85   -1.85   34.16   27.50    56.9   0.020  1440.1
  40.0   -1.84   -1.84   34.16   27.50    56.9   0.023  1440.2
  45.0   -1.83   -1.83   34.17   27.50    56.7   0.026  1440.4
  50.0   -1.80   -1.80   34.17   27.51    56.1   0.029  1440.6
  55.0   -1.74   -1.74   34.19   27.52    55.2   0.032  1441.0
  60.0   -1.61   -1.61   34.22   27.54    53.2   0.034  1441.7
  65.0   -1.15   -1.15   34.33   27.61    46.3   0.037  1444.1
  70.0   -0.70   -0.70   34.43   27.68    40.5   0.039  1446.4
  75.0   -0.31   -0.31   34.52   27.74    34.9   0.041  1448.5
  80.0   -0.12   -0.13   34.54   27.74    34.5   0.043  1449.4
  85.0    0.07    0.07   34.59   27.77    31.9   0.044  1450.5
  90.0    0.29    0.29   34.63   27.79    30.1   0.046  1451.6
  95.0    0.46    0.45   34.65   27.80    29.1   0.047  1452.5
 100.0    0.62    0.62   34.68   27.81    28.1   0.049  1453.3
 110.0    0.95    0.94   34.74   27.84    25.6   0.052  1455.0
 120.0    1.29    1.29   34.79   27.86    24.0   0.054  1456.8
 130.0    1.55    1.54   34.83   27.87    22.7   0.056  1458.2
 140.0    1.83    1.82   34.88   27.89    21.4   0.059  1459.7
 150.0    2.05    2.04   34.90   27.89    21.2   0.061  1460.8
 160.0    2.16    2.15   34.93   27.90    20.1   0.063  1461.5
 170.0    2.18    2.17   34.93   27.90    20.2   0.065  1461.8
 180.0    2.22    2.21   34.94   27.91    19.8   0.067  1462.1
 190.0    2.22    2.21   34.95   27.92    19.1   0.069  1462.3
 200.0    2.18    2.17   34.95   27.91    19.3   0.071  1462.3
 210.0    2.19    2.18   34.96   27.92    18.4   0.073  1462.5
 220.0    2.20    2.19   34.96   27.93    18.3   0.075  1462.7
 230.0    2.20    2.19   34.97   27.93    18.1   0.077  1462.9
 240.0    2.20    2.19   34.97   27.93    17.9   0.078  1463.1
 250.0    2.19    2.18   34.98   27.94    17.3   0.080  1463.2
 260.0    2.20    2.19   34.98   27.94    17.3   0.082  1463.4
 270.0    2.19    2.18   34.98   27.94    17.4   0.084  1463.6
 280.0    2.15    2.14   34.98   27.94    17.3   0.085  1463.5
 290.0    2.15    2.13   34.98   27.94    17.2   0.087  1463.7
 300.0    2.11    2.09   34.98   27.95    16.9   0.089  1463.7
 310.0    2.07    2.05   34.98   27.95    16.3   0.091  1463.7
 320.0    2.07    2.05   34.98   27.95    16.4   0.092  1463.8
 330.0    2.02    2.00   34.98   27.95    16.1   0.094  1463.8
 340.0    2.00    1.98   34.98   27.95    16.2   0.095  1463.9
 350.0    1.97    1.95   34.98   27.96    16.0   0.097  1463.9
 360.0    1.94    1.92   34.98   27.96    15.8   0.099  1463.9
 370.0    1.92    1.90   34.98   27.96    15.8   0.100  1464.0
 380.0    1.87    1.85   34.97   27.96    16.0   0.102  1463.9
 390.0    1.81    1.79   34.96   27.96    15.8   0.104  1463.8
 400.0    1.78    1.75   34.97   27.96    15.4   0.105  1463.9
 410.0    1.72    1.69   34.96   27.96    15.5   0.107  1463.7
 420.0    1.68    1.66   34.96   27.96    15.2   0.108  1463.8
 430.0    1.63    1.61   34.96   27.97    15.1   0.110  1463.7
 440.0    1.60    1.58   34.96   27.97    14.6   0.111  1463.8
 450.0    1.55    1.52   34.96   27.97    14.5   0.113  1463.7
 460.0    1.43    1.41   34.95   27.98    14.1   0.114  1463.3
 470.0    1.35    1.32   34.94   27.98    13.9   0.116  1463.1
 480.0    1.27    1.25   34.94   27.98    13.5   0.117  1462.9
 490.0    1.23    1.20   34.94   27.98    13.3   0.118  1462.9
 500.0    1.17    1.14   34.94   27.98    13.1   0.120  1462.8
 529.6    1.07    1.04   34.93   27.98    13.1   0.124  1462.8
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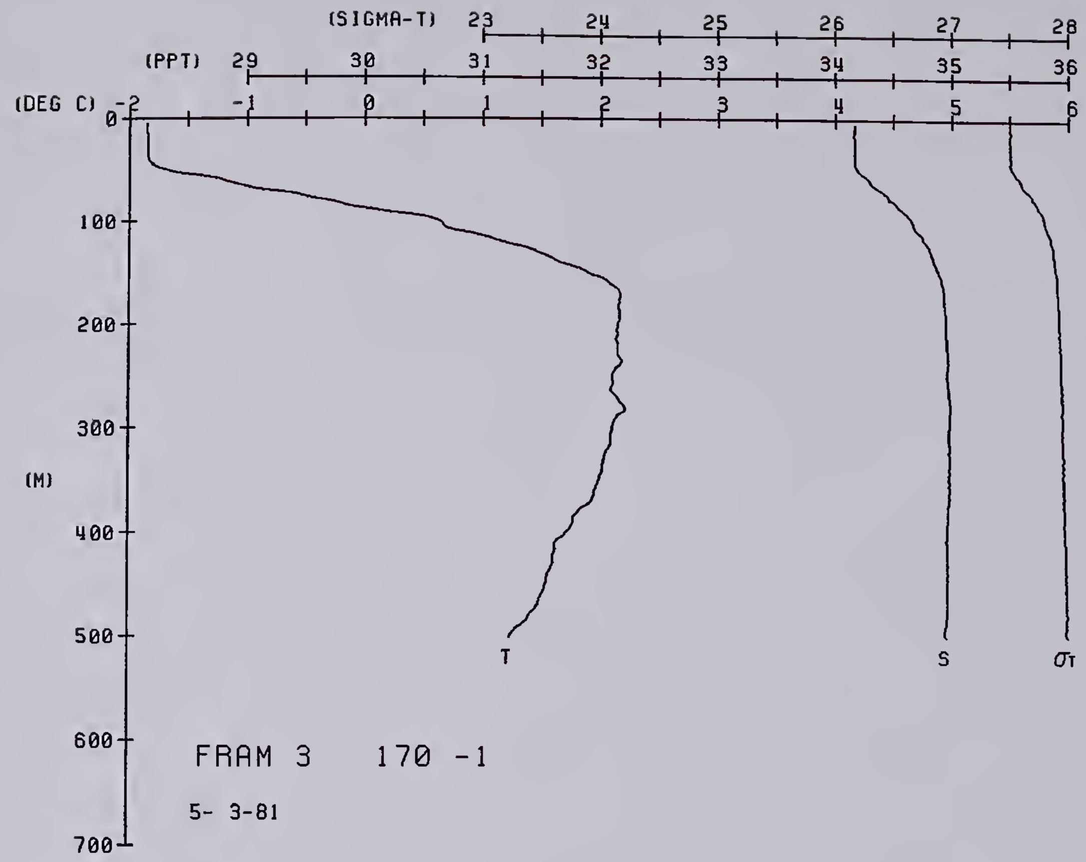
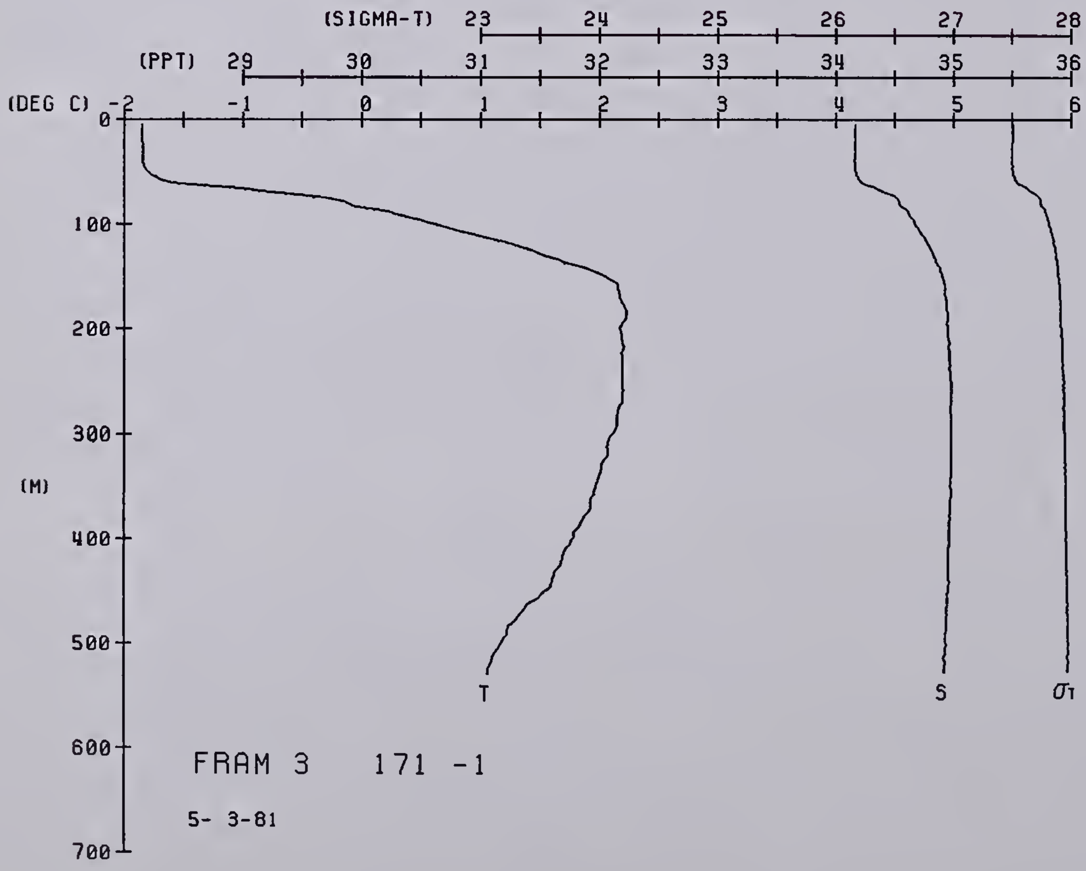


FRAM 3 170 -1

5- 3-81



FRAM 3 171 -1

5- 3-81

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FRAM 3  STATION 172(1) CTD   3/MAY/1981 2151 GMT  CODE = 5
LAT = 81.7975N LNG =   4.5638E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.85  -1.85   34.17   27.50    57.0   0.000   1439.5
  4.0   -1.85  -1.85   34.17   27.50    57.0   0.002   1439.6
  5.0   -1.85  -1.85   34.17   27.50    57.0   0.003   1439.6
 10.0   -1.85  -1.85   34.17   27.50    56.9   0.006   1439.7
 15.0   -1.85  -1.85   34.16   27.50    57.1   0.009   1439.8
 20.0   -1.85  -1.85   34.16   27.50    57.0   0.012   1439.9
 25.0   -1.85  -1.85   34.16   27.50    57.0   0.014   1440.0
 30.0   -1.85  -1.85   34.16   27.50    56.9   0.017   1440.0
 35.0   -1.84  -1.84   34.16   27.50    57.2   0.020   1440.1
 40.0   -1.84  -1.84   34.16   27.50    56.9   0.023   1440.2
 45.0   -1.83  -1.83   34.17   27.50    56.8   0.026   1440.4
 50.0   -1.80  -1.81   34.17   27.51    56.4   0.029   1440.6
 55.0   -1.71  -1.72   34.19   27.52    54.8   0.032   1441.1
 60.0   -1.33  -1.33   34.30   27.59    48.2   0.034   1443.2
 65.0   -0.88  -0.88   34.38   27.65    43.0   0.037   1445.4
 70.0   -0.57  -0.57   34.45   27.69    39.0   0.039   1447.1
 75.0   -0.23  -0.23   34.53   27.74    34.6   0.040   1448.8
 80.0   -0.10  -0.10   34.54   27.74    34.2   0.042   1449.5
 85.0    0.13   0.12   34.60   27.77    31.6   0.044   1450.7
 90.0    0.34   0.34   34.63   27.79    30.2   0.045   1451.8
 95.0    0.51   0.50   34.66   27.80    28.6   0.047   1452.7
100.0    0.63   0.62   34.68   27.81    28.1   0.048   1453.4
110.0    0.90   0.90   34.72   27.83    26.6   0.051   1454.8
120.0    1.14   1.14   34.76   27.84    25.3   0.054   1456.1
130.0    1.45   1.45   34.81   27.86    23.4   0.056   1457.7
140.0    1.66   1.65   34.85   27.87    22.5   0.059   1458.9
150.0    1.94   1.94   34.89   27.89    21.3   0.061   1460.3
160.0    2.12   2.11   34.91   27.89    21.2   0.063   1461.3
170.0    2.17   2.16   34.93   27.90    20.3   0.065   1461.7
180.0    2.22   2.20   34.94   27.91    19.8   0.067   1462.1
190.0    2.22   2.21   34.95   27.91    19.6   0.069   1462.3
200.0    2.17   2.16   34.95   27.91    19.3   0.071   1462.3
210.0    2.19   2.18   34.95   27.92    19.1   0.073   1462.5
220.0    2.20   2.19   34.95   27.92    19.0   0.075   1462.7
230.0    2.19   2.18   34.96   27.92    18.5   0.077   1462.9
240.0    2.20   2.19   34.96   27.93    18.4   0.079   1463.1
250.0    2.20   2.19   34.97   27.93    18.2   0.080   1463.2
260.0    2.20   2.19   34.97   27.93    18.2   0.082   1463.4
270.0    2.19   2.17   34.97   27.93    18.0   0.084   1463.5
280.0    2.15   2.14   34.97   27.93    17.8   0.086   1463.5
290.0    2.15   2.13   34.97   27.94    17.4   0.088   1463.7
300.0    2.11   2.09   34.97   27.94    17.4   0.089   1463.7
310.0    2.08   2.06   34.97   27.94    17.4   0.091   1463.7
320.0    2.06   2.04   34.97   27.94    17.2   0.093   1463.8
330.0    2.02   2.00   34.97   27.95    17.0   0.095   1463.8
340.0    1.98   1.96   34.97   27.95    16.8   0.096   1463.8
350.0    1.95   1.93   34.97   27.95    16.7   0.098   1463.8
360.0    1.90   1.88   34.97   27.95    16.3   0.100   1463.8
370.0    1.85   1.83   34.96   27.95    16.2   0.101   1463.7
380.0    1.83   1.81   34.96   27.95    16.2   0.103   1463.7
390.0    1.74   1.72   34.96   27.96    15.9   0.105   1463.5
400.0    1.69   1.67   34.95   27.96    15.8   0.106   1463.5
410.0    1.68   1.66   34.95   27.96    15.9   0.108   1463.6
420.0    1.63   1.61   34.95   27.96    15.6   0.110   1463.5
430.0    1.60   1.57   34.95   27.97    15.0   0.111   1463.5
440.0    1.54   1.52   34.95   27.97    15.0   0.113   1463.5
450.0    1.48   1.45   34.94   27.97    15.0   0.114   1463.3
460.0    1.37   1.35   34.94   27.97    14.7   0.116   1463.0
470.0    1.31   1.28   34.93   27.97    14.5   0.117   1462.9
480.0    1.24   1.21   34.93   27.97    14.2   0.119   1462.7
490.0    1.19   1.16   34.93   27.97    14.1   0.120   1462.7
500.0    1.13   1.11   34.92   27.97    14.1   0.121   1462.6
530.0    1.00   0.97   34.92   27.98    12.9   0.125   1462.5
560.0    0.93   0.90   34.92   27.98    12.8   0.129   1462.7
590.0    0.67   0.64   34.91   27.99    11.7   0.133   1462.0
620.0    0.43   0.40   34.91   28.01    10.0   0.136   1461.4
650.0    0.24   0.22   34.90   28.02     8.9   0.139   1461.1
680.0    0.09   0.06   34.90   28.02     8.5   0.142   1460.9
```

```
DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

710.0   -0.10  -0.13   34.90   28.03     6.9   0.144   1460.5
740.0   -0.30  -0.33   34.90   28.04     5.6   0.146   1460.1
780.1   -0.43  -0.46   34.90   28.05     4.6   0.148   1460.2
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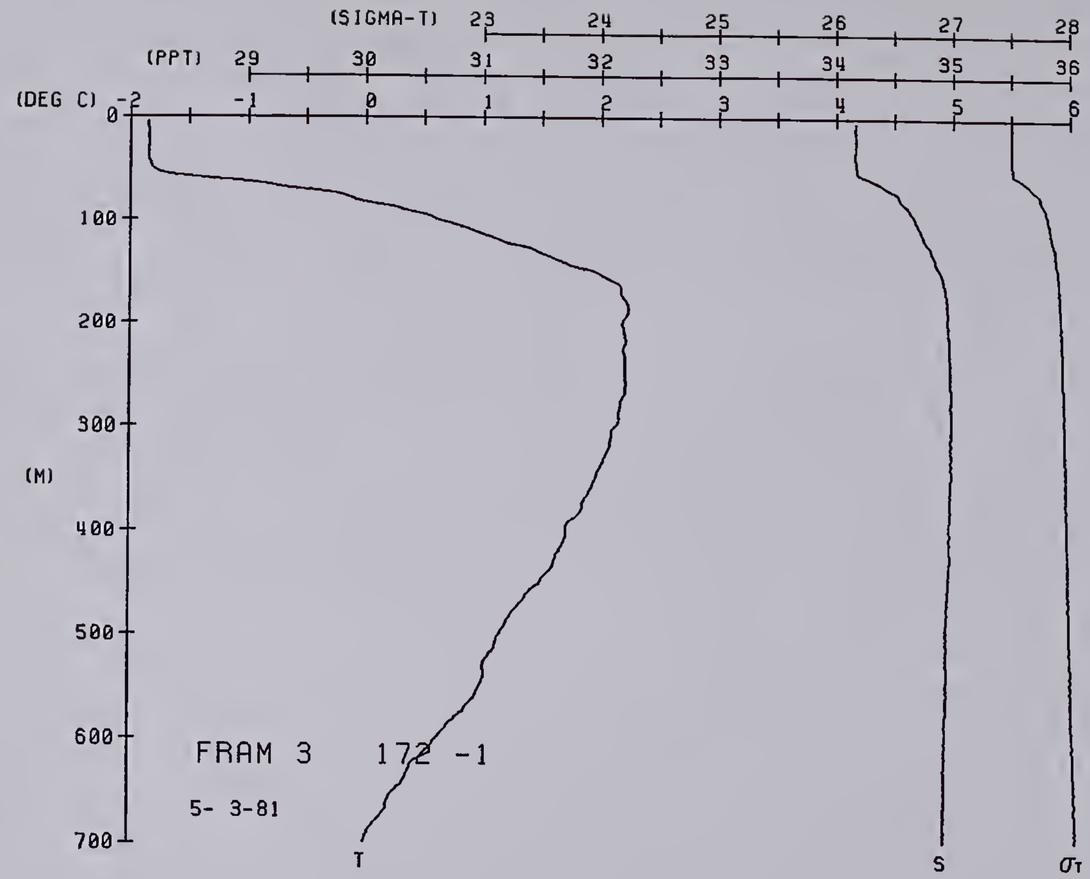
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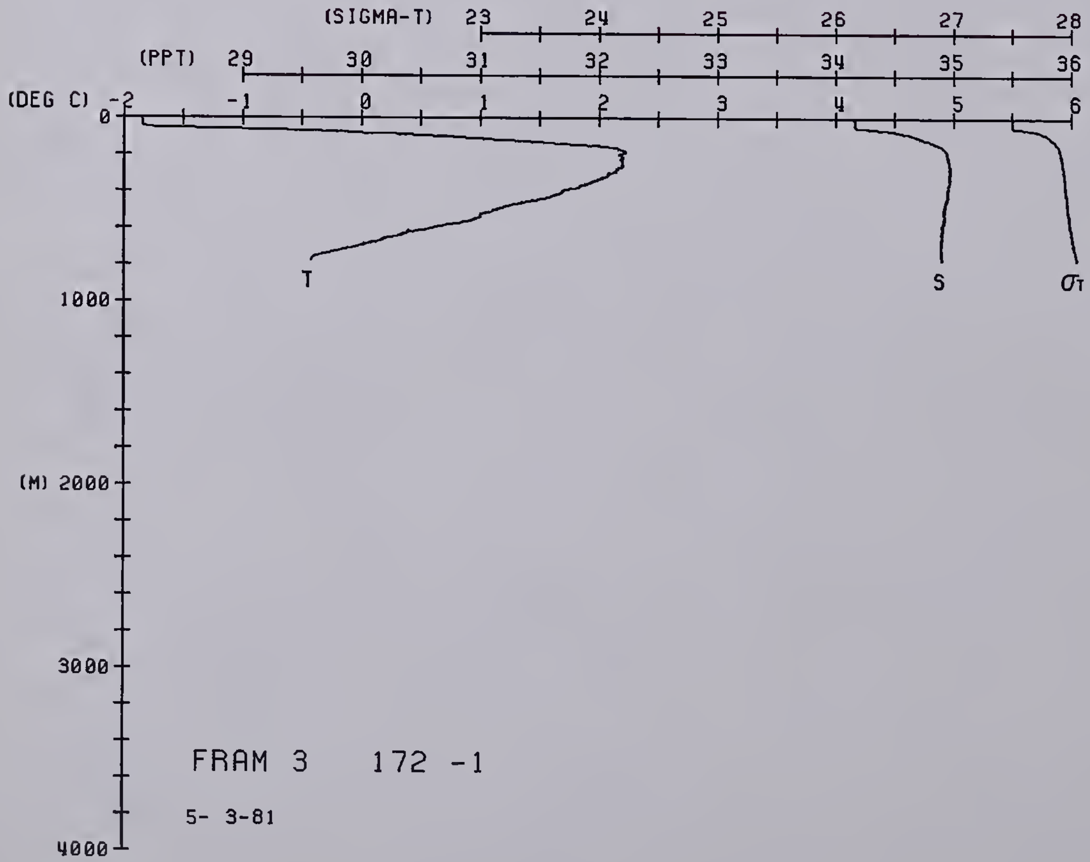
0
100
200
300
(M)
400
500
600
700
FRAM 3 172 -1
5- 3-81
T
S
σ_T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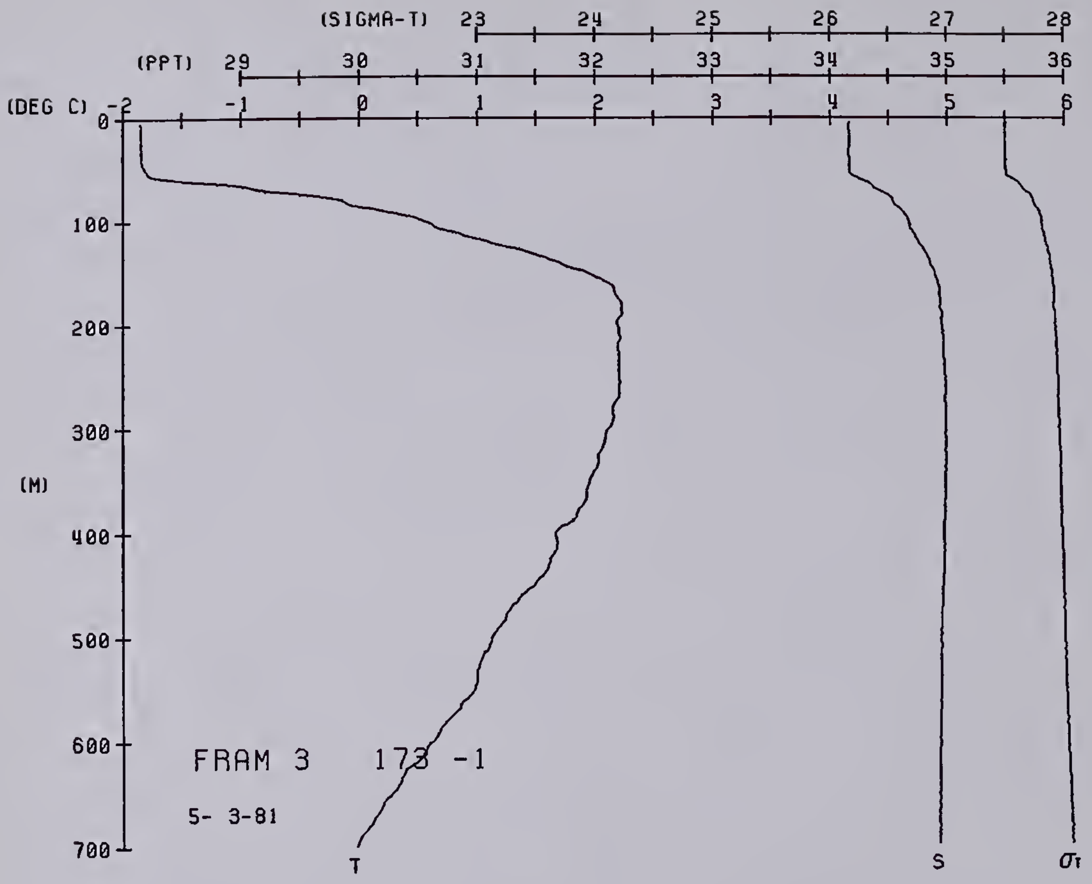
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 172 -1
5- 3-81
T
S
σ_T

FRAM 3 STATION 173(1) CTD   3/MAY/1981 2222 GMT CODE = 5
LAT = 81.7970N LNG =   4.5527E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.51	56.9	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.51	56.9	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.50	57.0	0.003	1439.6
10.0	-1.85	-1.85	34.16	27.50	57.2	0.006	1439.7
15.0	-1.85	-1.85	34.16	27.50	57.1	0.009	1439.8
20.0	-1.85	-1.85	34.16	27.50	57.0	0.012	1439.9
25.0	-1.85	-1.85	34.16	27.50	57.1	0.014	1439.9
30.0	-1.84	-1.84	34.16	27.50	57.2	0.017	1440.0
35.0	-1.84	-1.84	34.16	27.50	57.2	0.020	1440.1
40.0	-1.84	-1.84	34.16	27.50	56.8	0.023	1440.2
45.0	-1.83	-1.83	34.17	27.50	56.8	0.026	1440.4
50.0	-1.80	-1.80	34.17	27.51	56.6	0.029	1440.6
55.0	-1.77	-1.78	34.18	27.51	56.0	0.032	1440.8
60.0	-1.50	-1.51	34.27	27.58	49.9	0.034	1442.3
65.0	-1.02	-1.02	34.35	27.63	45.1	0.037	1444.7
70.0	-0.79	-0.79	34.40	27.66	42.0	0.039	1446.0
75.0	-0.40	-0.40	34.50	27.72	36.5	0.041	1448.0
80.0	-0.14	-0.14	34.53	27.74	35.0	0.043	1449.3
85.0	-0.04	-0.04	34.56	27.75	33.4	0.044	1449.9
90.0	0.23	0.23	34.62	27.78	30.5	0.046	1451.3
95.0	0.43	0.42	34.65	27.80	29.3	0.048	1452.3
100.0	0.57	0.56	34.67	27.81	28.3	0.049	1453.1
110.0	0.78	0.78	34.70	27.82	27.4	0.052	1454.3
120.0	1.09	1.08	34.75	27.84	25.8	0.055	1455.9
130.0	1.43	1.42	34.81	27.86	23.6	0.057	1457.6
140.0	1.69	1.68	34.85	27.87	22.7	0.059	1459.0
150.0	1.93	1.92	34.89	27.89	21.5	0.062	1460.3
160.0	2.11	2.10	34.92	27.90	20.7	0.064	1461.3
170.0	2.16	2.16	34.93	27.90	20.3	0.066	1461.7
180.0	2.22	2.21	34.93	27.90	20.5	0.068	1462.1
190.0	2.22	2.21	34.95	27.91	19.6	0.070	1462.3
200.0	2.19	2.17	34.95	27.92	19.2	0.072	1462.3
210.0	2.20	2.19	34.96	27.92	18.7	0.074	1462.6
220.0	2.19	2.18	34.95	27.92	18.9	0.076	1462.7
230.0	2.20	2.19	34.96	27.92	18.7	0.078	1462.9
240.0	2.20	2.19	34.97	27.93	18.2	0.079	1463.1
250.0	2.20	2.19	34.97	27.93	18.1	0.081	1463.2
260.0	2.20	2.18	34.97	27.93	17.7	0.083	1463.4
270.0	2.19	2.18	34.97	27.93	18.2	0.085	1463.5
280.0	2.14	2.13	34.97	27.94	17.6	0.087	1463.5
290.0	2.15	2.13	34.97	27.94	17.8	0.089	1463.7
300.0	2.11	2.10	34.97	27.94	17.6	0.090	1463.7
310.0	2.08	2.06	34.97	27.94	17.3	0.092	1463.7
320.0	2.05	2.03	34.97	27.94	17.0	0.094	1463.7
330.0	2.02	2.00	34.97	27.95	16.6	0.096	1463.8
340.0	1.99	1.97	34.97	27.95	16.5	0.097	1463.8
350.0	1.95	1.93	34.97	27.95	16.6	0.099	1463.8
360.0	1.91	1.89	34.97	27.95	16.3	0.101	1463.8
370.0	1.90	1.88	34.96	27.95	16.6	0.102	1463.9
380.0	1.84	1.82	34.96	27.95	16.2	0.104	1463.8
390.0	1.79	1.76	34.95	27.95	16.6	0.106	1463.7
400.0	1.66	1.63	34.95	27.96	15.9	0.107	1463.3
410.0	1.67	1.65	34.95	27.96	15.9	0.109	1463.5
420.0	1.64	1.62	34.95	27.96	15.5	0.110	1463.6
430.0	1.60	1.58	34.95	27.96	15.1	0.112	1463.6
440.0	1.55	1.53	34.95	27.96	15.2	0.113	1463.5
450.0	1.48	1.45	34.94	27.97	14.9	0.115	1463.3
460.0	1.37	1.34	34.94	27.97	14.7	0.117	1463.0
470.0	1.29	1.26	34.93	27.97	14.4	0.118	1462.8
480.0	1.24	1.21	34.93	27.97	14.4	0.119	1462.7
490.0	1.18	1.15	34.92	27.97	14.3	0.121	1462.6
500.0	1.12	1.09	34.92	27.98	13.7	0.122	1462.5
530.0	0.99	0.97	34.92	27.98	13.3	0.126	1462.5
560.0	0.88	0.85	34.92	27.99	12.4	0.130	1462.5
590.0	0.67	0.64	34.91	27.99	11.7	0.134	1462.0
620.0	0.46	0.44	34.90	28.00	10.6	0.137	1461.6
650.0	0.26	0.23	34.90	28.01	9.3	0.140	1461.1
680.0	0.08	0.05	34.90	28.02	8.0	0.143	1460.8
710.0	-0.08	-0.11	34.90	28.03	7.2	0.145	1460.6
740.0	-0.27	-0.30	34.90	28.04	5.7	0.147	1460.2
776.2	-0.44	-0.47	34.90	28.05	4.6	0.149	1460.1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(PPT) 29 30 31 32 33 34 35 36
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(M)
400
500
600
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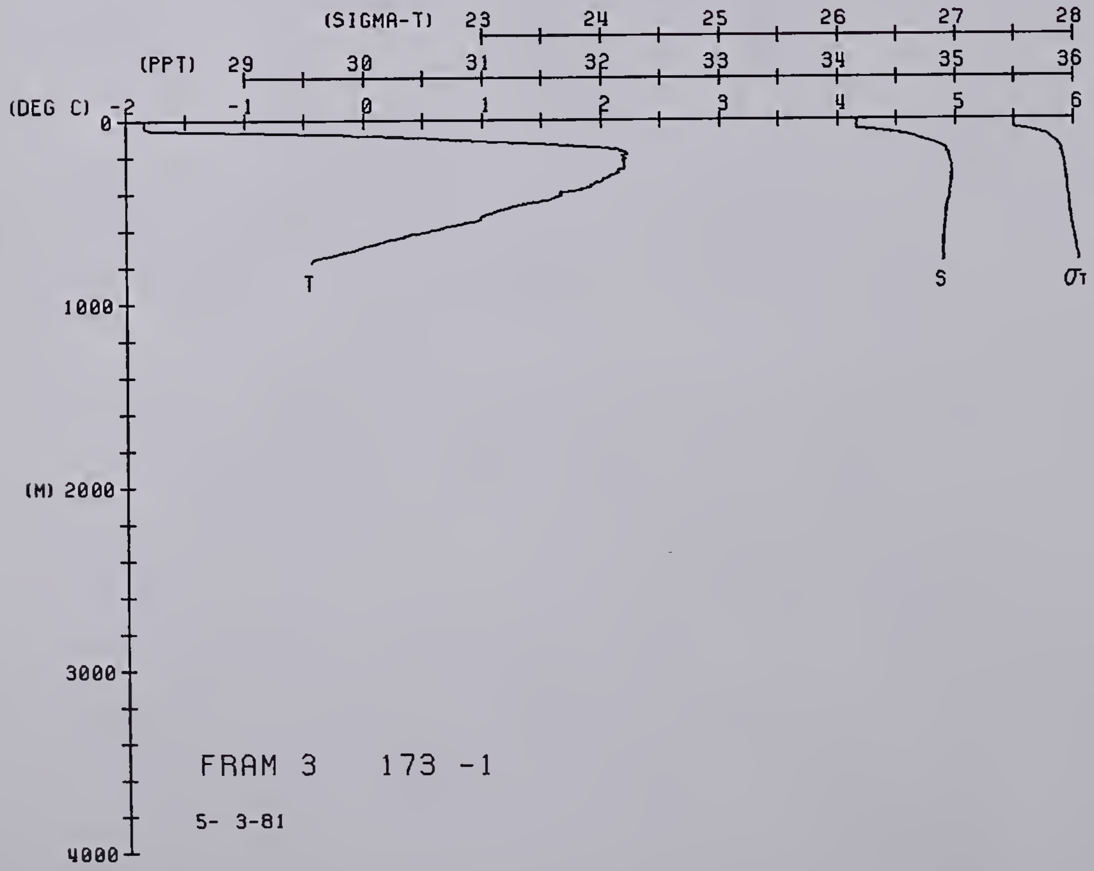
FRAM 3 173 -1
5- 3-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 173 -1
5- 3-81

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                                   AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL  DYNHT   SOUND          DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL  DYNHT   SOUND

  0.0   -1.84   -1.84   34.16   27.50    57.3  0.000  1439.6          710.0   -0.10   -0.13   34.89   28.03     7.3  0.148  1460.5
  4.0   -1.84   -1.84   34.16   27.50    57.2  0.002  1439.6          740.0   -0.26   -0.29   34.89   28.03     6.3  0.150  1460.3
  5.0   -1.84   -1.84   34.16   27.50    57.3  0.003  1439.6          779.1   -0.37   -0.40   34.89   28.04     5.7  0.152  1460.4
 10.0   -1.84   -1.84   34.16   27.50    57.3  0.006  1439.7
 15.0   -1.84   -1.84   34.16   27.50    57.4  0.009  1439.8
 20.0   -1.84   -1.84   34.16   27.50    57.3  0.012  1439.9
 25.0   -1.84   -1.84   34.16   27.50    57.3  0.015  1440.0
 30.0   -1.83   -1.83   34.16   27.50    57.1  0.017  1440.1
 35.0   -1.82   -1.82   34.16   27.50    56.9  0.020  1440.3
 40.0   -1.80   -1.80   34.17   27.50    56.7  0.023  1440.4
 45.0   -1.75   -1.75   34.18   27.51    56.0  0.026  1440.8
 50.0   -1.56   -1.56   34.24   27.55    52.1  0.029  1441.8
 55.0   -1.02   -1.02   34.34   27.62    46.0  0.031  1444.6
 60.0   -0.83   -0.83   34.36   27.63    44.7  0.033  1445.6
 65.0   -0.62   -0.62   34.41   27.66    42.4  0.036  1446.7
 70.0   -0.39   -0.40   34.46   27.69    39.6  0.038  1447.9
 75.0   -0.22   -0.22   34.50   27.71    37.4  0.040  1448.8
 80.0   -0.04   -0.04   34.53   27.73    35.6  0.042  1449.8
 85.0    0.09    0.09   34.56   27.74    34.2  0.043  1450.5
 90.0    0.19    0.19   34.57   27.75    33.4  0.045  1451.1
 95.0    0.36    0.36   34.61   27.77    31.7  0.047  1452.0
100.0    0.50    0.50   34.63   27.78    30.7  0.048  1452.7
110.0    0.56    0.55   34.67   27.81    28.2  0.051  1453.2
120.0    1.09    1.09   34.77   27.85    24.2  0.054  1455.9
130.0    1.49    1.48   34.81   27.86    23.6  0.056  1457.9
140.0    1.73    1.72   34.85   27.88    22.4  0.059  1459.2
150.0    1.84    1.83   34.88   27.89    21.1  0.061  1459.9
160.0    1.96    1.95   34.89   27.89    21.4  0.063  1460.6
170.0    2.04    2.04   34.91   27.90    20.8  0.065  1461.1
180.0    2.08    2.07   34.92   27.90    20.6  0.067  1461.5
190.0    2.15    2.13   34.93   27.91    20.0  0.069  1462.0
200.0    2.14    2.13   34.93   27.91    19.9  0.071  1462.1
210.0    2.15    2.14   34.94   27.91    19.6  0.073  1462.3
220.0    2.14    2.12   34.94   27.91    19.5  0.075  1462.4
230.0    2.14    2.12   34.94   27.92    19.3  0.077  1462.6
240.0    2.11    2.09   34.95   27.92    18.9  0.079  1462.6
250.0    2.06    2.05   34.95   27.92    18.6  0.081  1462.6
260.0    2.06    2.05   34.94   27.92    18.7  0.083  1462.8
270.0    2.06    2.04   34.95   27.93    18.2  0.085  1462.9
280.0    2.07    2.05   34.96   27.93    18.0  0.087  1463.1
290.0    2.03    2.02   34.95   27.93    18.0  0.088  1463.1
300.0    2.00    1.98   34.95   27.93    18.1  0.090  1463.1
310.0    1.96    1.95   34.95   27.93    17.9  0.092  1463.2
320.0    1.99    1.97   34.96   27.94    17.4  0.094  1463.4
330.0    1.95    1.93   34.96   27.94    17.4  0.096  1463.4
340.0    1.91    1.89   34.95   27.94    17.4  0.097  1463.4
350.0    1.86    1.84   34.95   27.94    17.1  0.099  1463.4
360.0    1.83    1.81   34.95   27.95    16.9  0.101  1463.4
370.0    1.85    1.83   34.96   27.95    16.7  0.103  1463.7
380.0    1.83    1.81   34.95   27.95    16.9  0.104  1463.7
390.0    1.80    1.78   34.95   27.95    16.7  0.106  1463.8
400.0    1.75    1.73   34.95   27.95    16.4  0.108  1463.7
410.0    1.71    1.69   34.95   27.95    16.1  0.109  1463.7
420.0    1.67    1.64   34.95   27.96    15.9  0.111  1463.7
430.0    1.59    1.57   34.94   27.95    16.2  0.112  1463.5
440.0    1.59    1.57   34.94   27.96    15.7  0.114  1463.7
450.0    1.54    1.52   34.94   27.96    15.8  0.116  1463.6
460.0    1.46    1.44   34.94   27.96    15.3  0.117  1463.4
470.0    1.39    1.37   34.93   27.96    15.2  0.119  1463.3
480.0    1.30    1.28   34.93   27.96    15.0  0.120  1463.0
490.0    1.26    1.24   34.93   27.97    14.6  0.122  1463.0
500.0    1.23    1.20   34.93   27.97    14.2  0.123  1463.0
530.0    1.14    1.12   34.93   27.98    13.7  0.128  1463.2
560.0    0.93    0.90   34.91   27.98    13.3  0.132  1462.7
590.0    0.78    0.76   34.91   27.99    12.3  0.136  1462.5
620.0    0.56    0.53   34.90   27.99    11.4  0.139  1462.0
650.0    0.37    0.34   34.90   28.00    10.4  0.143  1461.6
680.0    0.15    0.12   34.89   28.01     9.0  0.145  1461.2
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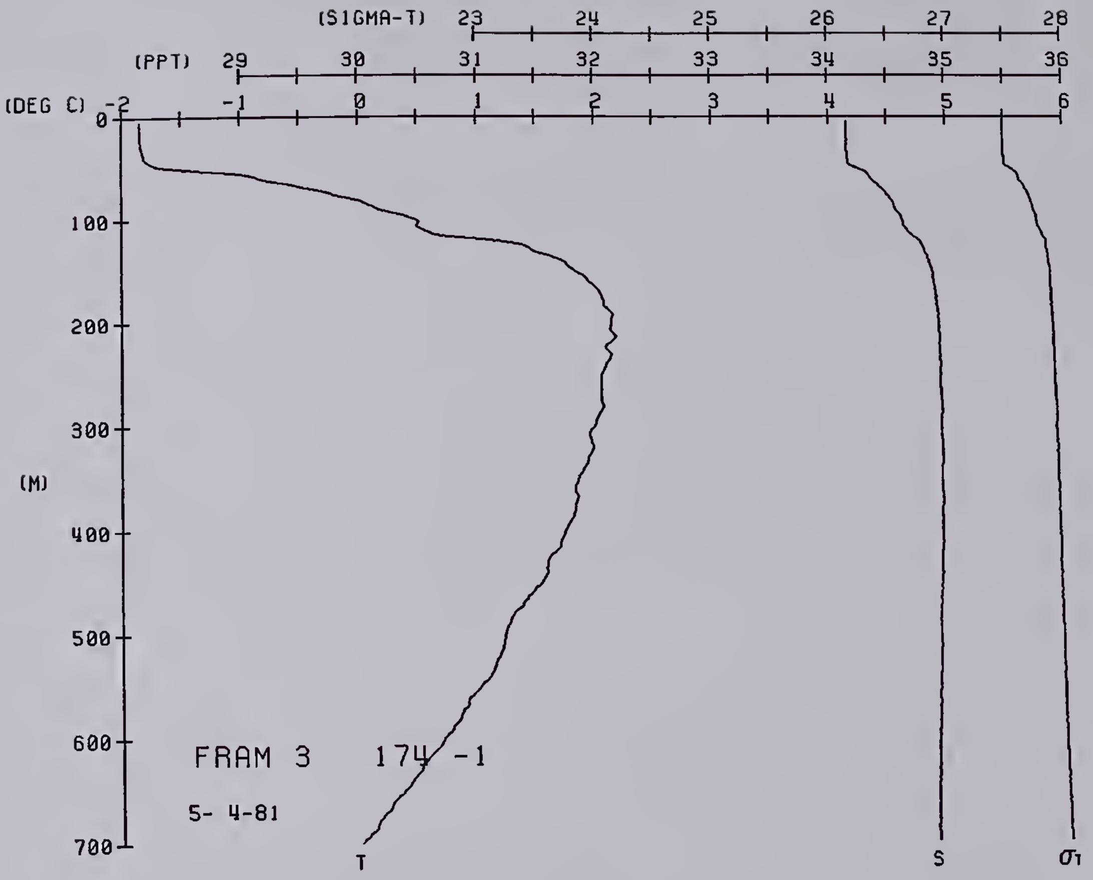
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300
(M)
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500
600
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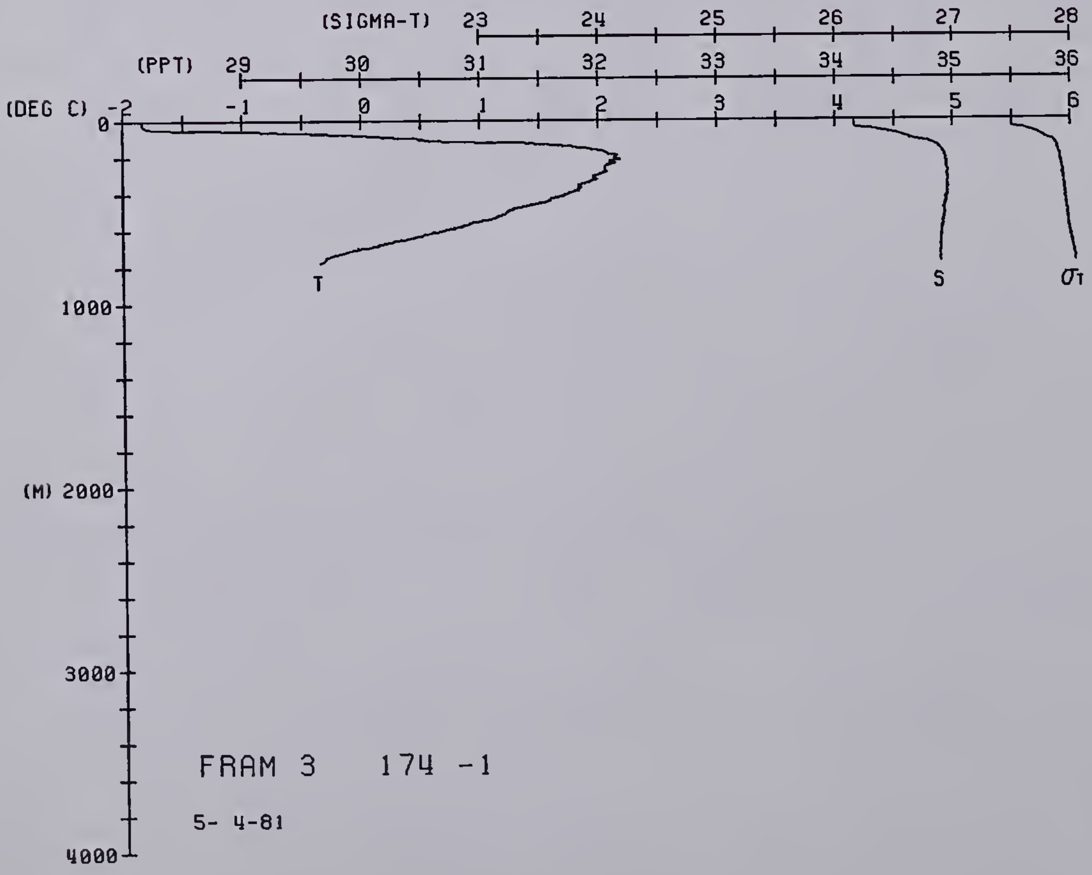
FRAM 3 174 -1
5- 4-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
T
S
σT
1000
(M) 2000
3000
FRAM 3 174 -1
5- 4-81
4000

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                                      AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND           DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.16   27.50    57.4   0.000  1439.6           710.0   -0.14   -0.17   34.89   28.03     7.0   0.146  1460.3
   4.0   -1.84   -1.84   34.16   27.50    57.4   0.002  1439.6           740.0   -0.27   -0.30   34.89   28.03     6.1   0.148  1460.2
   5.0   -1.84   -1.84   34.16   27.50    57.3   0.003  1439.6           779.1   -0.37   -0.40   34.90   28.04     5.4   0.151  1460.5
  10.0   -1.84   -1.84   34.16   27.50    57.3   0.006  1439.7
  15.0   -1.84   -1.84   34.16   27.50    57.2   0.009  1439.8
  20.0   -1.84   -1.84   34.16   27.50    57.2   0.012  1439.9
  25.0   -1.84   -1.84   34.16   27.50    57.2   0.014  1440.0
  30.0   -1.83   -1.83   34.16   27.50    57.1   0.017  1440.1
  35.0   -1.81   -1.81   34.17   27.51    56.6   0.020  1440.3
  40.0   -1.76   -1.76   34.18   27.51    56.3   0.023  1440.6
  45.0   -1.62   -1.62   34.21   27.54    53.7   0.026  1441.4
  50.0   -1.07   -1.07   34.32   27.61    47.2   0.028  1444.2
  55.0   -0.88   -0.88   34.35   27.62    45.7   0.031  1445.3
  60.0   -0.69   -0.69   34.39   27.65    43.2   0.033  1446.3
  65.0   -0.49   -0.50   34.43   27.67    40.8   0.035  1447.3
  70.0   -0.31   -0.32   34.47   27.69    38.9   0.037  1448.3
  75.0   -0.17   -0.18   34.50   27.71    37.2   0.039  1449.0
  80.0   -0.09   -0.09   34.52   27.73    35.9   0.041  1449.5
  85.0    0.04    0.03   34.55   27.74    34.7   0.043  1450.3
  90.0    0.19    0.19   34.58   27.76    33.1   0.044  1451.1
  95.0    0.37    0.36   34.62   27.78    31.3   0.046  1452.0
 100.0    0.51    0.50   34.64   27.78    30.6   0.048  1452.8
 110.0    0.65    0.65   34.67   27.80    29.0   0.051  1453.6
 120.0    0.90    0.90   34.75   27.85    24.7   0.053  1455.0
 130.0    1.48    1.47   34.81   27.86    23.6   0.056  1457.9
 140.0    1.72    1.71   34.85   27.88    22.5   0.058  1459.1
 150.0    1.87    1.86   34.88   27.89    21.6   0.060  1460.0
 160.0    1.96    1.95   34.90   27.89    21.0   0.062  1460.6
 170.0    2.05    2.04   34.91   27.89    21.0   0.065  1461.2
 180.0    2.08    2.07   34.92   27.90    20.4   0.067  1461.5
 190.0    2.10    2.08   34.93   27.90    20.1   0.069  1461.7
 200.0    2.10    2.09   34.93   27.91    19.8   0.071  1461.9
 210.0    2.12    2.11   34.94   27.91    19.5   0.073  1462.2
 220.0    2.16    2.14   34.94   27.91    19.6   0.075  1462.5
 230.0    2.12    2.11   34.94   27.92    19.2   0.077  1462.5
 240.0    2.13    2.12   34.95   27.92    18.9   0.079  1462.7
 250.0    2.08    2.06   34.95   27.92    18.8   0.081  1462.7
 260.0    2.07    2.05   34.95   27.92    18.5   0.082  1462.8
 270.0    2.06    2.04   34.95   27.93    18.4   0.084  1462.9
 280.0    2.06    2.04   34.95   27.93    18.2   0.086  1463.1
 290.0    2.09    2.07   34.96   27.93    17.9   0.088  1463.4
 300.0    2.02    2.00   34.95   27.93    18.0   0.090  1463.2
 310.0    1.99    1.97   34.96   27.94    17.6   0.092  1463.3
 320.0    1.99    1.97   34.96   27.94    17.6   0.093  1463.4
 330.0    1.94    1.92   34.96   27.94    17.1   0.095  1463.4
 340.0    1.91    1.89   34.96   27.94    17.1   0.097  1463.4
 350.0    1.85    1.84   34.95   27.94    17.1   0.099  1463.3
 360.0    1.84    1.82   34.95   27.95    16.8   0.100  1463.4
 370.0    1.84    1.82   34.95   27.95    16.7   0.102  1463.6
 380.0    1.83    1.80   34.95   27.95    16.8   0.104  1463.7
 390.0    1.80    1.78   34.95   27.95    16.5   0.105  1463.8
 400.0    1.77    1.74   34.95   27.95    16.3   0.107  1463.8
 410.0    1.73    1.70   34.95   27.95    16.2   0.109  1463.8
 420.0    1.70    1.68   34.95   27.96    16.1   0.110  1463.8
 430.0    1.63    1.61   34.95   27.96    15.9   0.112  1463.7
 440.0    1.59    1.57   34.94   27.96    15.9   0.114  1463.7
 450.0    1.56    1.54   34.94   27.96    15.6   0.115  1463.7
 460.0    1.49    1.47   34.94   27.96    15.3   0.117  1463.6
 470.0    1.42    1.40   34.93   27.96    15.2   0.118  1463.4
 480.0    1.35    1.33   34.93   27.96    15.1   0.120  1463.3
 490.0    1.27    1.24   34.93   27.97    14.6   0.121  1463.0
 500.0    1.24    1.21   34.92   27.97    14.6   0.123  1463.1
 530.0    1.11    1.09   34.93   27.98    13.5   0.127  1463.0
 560.0    0.91    0.88   34.92   27.98    12.8   0.131  1462.6
 590.0    0.71    0.69   34.91   27.99    11.9   0.135  1462.2
 620.0    0.49    0.46   34.90   28.00    10.8   0.138  1461.7
 650.0    0.26    0.23   34.90   28.01     9.4   0.141  1461.1
 680.0    0.06    0.03   34.89   28.02     8.4   0.144  1460.7
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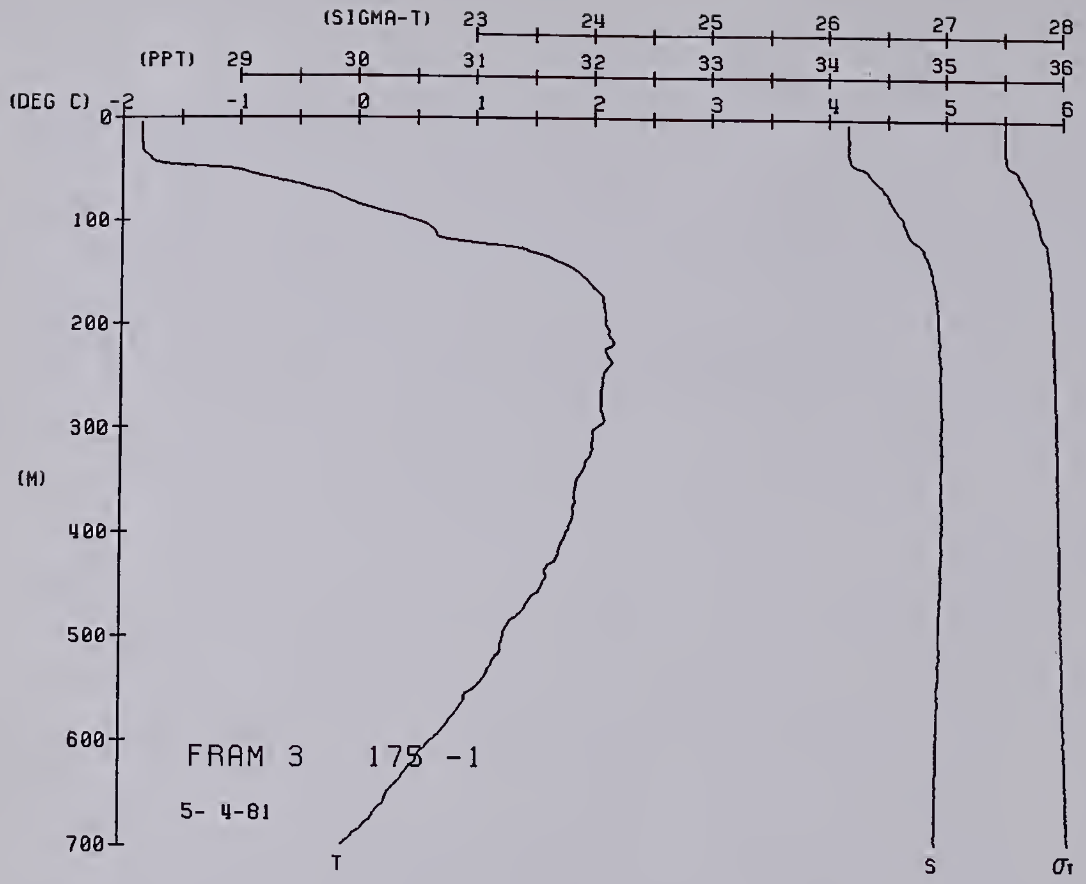
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(M)
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400
500
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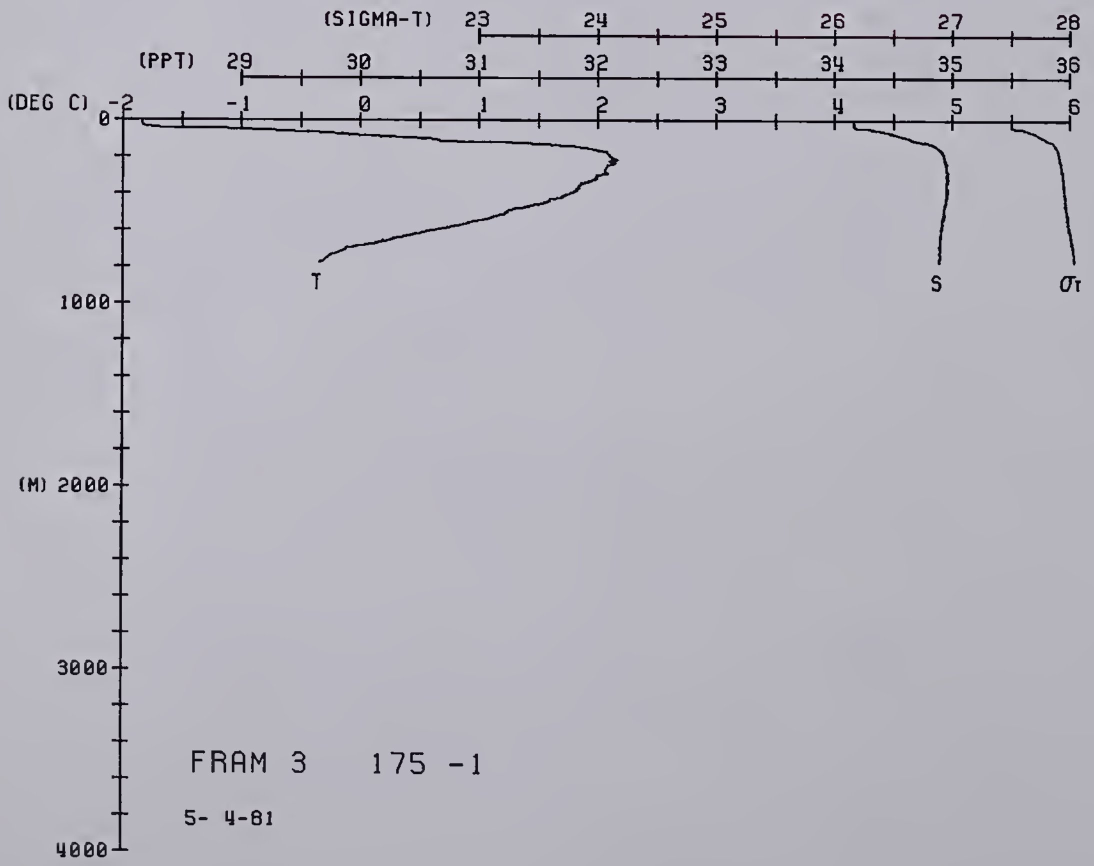
FRAM 3 175 -1
5- 4-81
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
3000
4000
FRAM 3 175 -1
5- 4-81
T
S
σT

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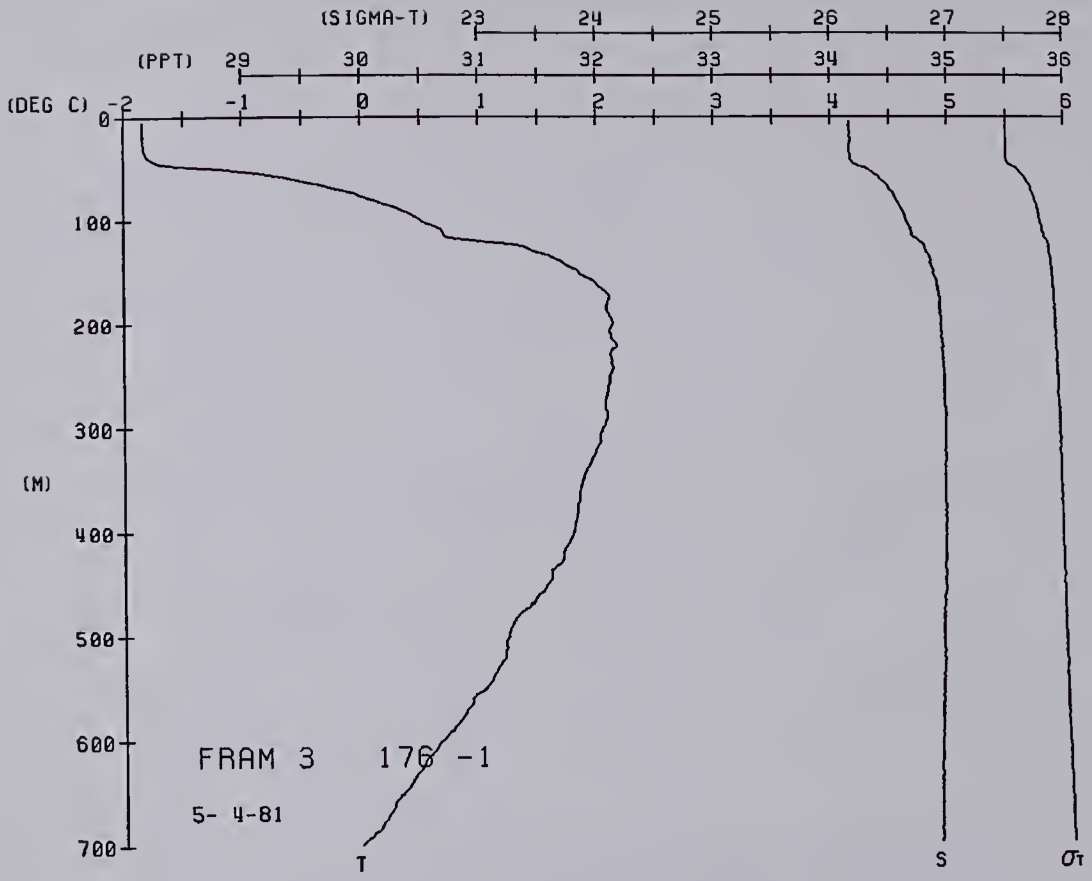
                                        AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND             DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.16   27.50    57.4   0.000  1439.6             710.0   -0.13   -0.16   34.89   28.03     7.2   0.147  1460.4
   4.0   -1.84   -1.84   34.16   27.50    57.4   0.002  1439.6             740.0   -0.23   -0.26   34.90   28.03     6.3   0.149  1460.4
   5.0   -1.84   -1.84   34.16   27.50    57.3   0.003  1439.6             784.0   -0.37   -0.40   34.90   28.04     5.4   0.151  1460.5
  10.0   -1.84   -1.84   34.16   27.50    57.3   0.006  1439.7
  15.0   -1.84   -1.84   34.16   27.50    57.1   0.009  1439.8
  20.0   -1.84   -1.84   34.16   27.50    57.4   0.012  1439.9
  25.0   -1.84   -1.84   34.16   27.50    57.1   0.015  1440.0
  30.0   -1.83   -1.83   34.16   27.50    57.4   0.017  1440.1
  35.0   -1.82   -1.82   34.16   27.50    57.1   0.020  1440.2
  40.0   -1.79   -1.79   34.17   27.50    56.7   0.023  1440.5
  45.0   -1.69   -1.69   34.19   27.52    55.2   0.026  1441.0
  50.0   -1.25   -1.25   34.29   27.59    48.8   0.029  1443.4
  55.0   -0.84   -0.84   34.36   27.63    44.7   0.031  1445.4
  60.0   -0.58   -0.58   34.42   27.67    41.3   0.033  1446.8
  65.0   -0.39   -0.39   34.46   27.69    39.0   0.035  1447.8
  70.0   -0.20   -0.20   34.50   27.71    37.4   0.037  1448.9
  75.0   -0.04   -0.04   34.53   27.73    35.3   0.039  1449.7
  80.0    0.08    0.08   34.55   27.74    34.5   0.041  1450.4
  85.0    0.21    0.21   34.59   27.76    32.8   0.042  1451.1
  90.0    0.34    0.34   34.60   27.77    32.0   0.044  1451.8
  95.0    0.43    0.43   34.62   27.78    31.0   0.046  1452.3
 100.0    0.51    0.50   34.64   27.79    30.4   0.047  1452.8
 110.0    0.69    0.68   34.68   27.81    28.5   0.050  1453.8
 120.0    0.92    0.92   34.74   27.84    25.2   0.053  1455.1
 130.0    1.45    1.45   34.81   27.86    24.0   0.055  1457.7
 140.0    1.69    1.68   34.84   27.87    22.8   0.058  1459.0
 150.0    1.84    1.83   34.87   27.88    22.1   0.060  1459.8
 160.0    1.98    1.97   34.90   27.89    21.3   0.062  1460.7
 170.0    2.07    2.06   34.91   27.90    20.8   0.064  1461.3
 180.0    2.08    2.07   34.92   27.90    20.4   0.066  1461.5
 190.0    2.09    2.08   34.92   27.90    20.5   0.068  1461.7
 200.0    2.13    2.12   34.92   27.90    20.6   0.071  1462.0
 210.0    2.11    2.10   34.93   27.91    19.9   0.073  1462.1
 220.0    2.16    2.14   34.94   27.91    19.6   0.075  1462.5
 230.0    2.11    2.09   34.94   27.92    19.2   0.077  1462.4
 240.0    2.12    2.11   34.94   27.92    19.2   0.078  1462.7
 250.0    2.10    2.09   34.95   27.92    18.7   0.080  1462.8
 260.0    2.09    2.08   34.95   27.93    18.5   0.082  1462.9
 270.0    2.07    2.05   34.95   27.92    18.8   0.084  1463.0
 280.0    2.06    2.04   34.95   27.93    18.2   0.086  1463.1
 290.0    2.08    2.06   34.96   27.94    17.7   0.088  1463.3
 300.0    2.04    2.03   34.96   27.93    18.0   0.090  1463.4
 310.0    2.01    1.99   34.96   27.94    17.4   0.091  1463.4
 320.0    1.99    1.97   34.96   27.94    17.6   0.093  1463.4
 330.0    1.95    1.93   34.96   27.94    17.2   0.095  1463.4
 340.0    1.90    1.88   34.95   27.94    17.2   0.097  1463.4
 350.0    1.87    1.85   34.95   27.94    17.0   0.098  1463.4
 360.0    1.84    1.82   34.95   27.95    16.8   0.100  1463.5
 370.0    1.83    1.81   34.95   27.95    16.9   0.102  1463.6
 380.0    1.82    1.80   34.95   27.95    16.7   0.104  1463.7
 390.0    1.80    1.78   34.96   27.95    16.4   0.105  1463.8
 400.0    1.78    1.76   34.95   27.95    16.7   0.107  1463.9
 410.0    1.75    1.72   34.95   27.95    16.4   0.109  1463.9
 420.0    1.70    1.67   34.95   27.95    16.2   0.110  1463.8
 430.0    1.68    1.66   34.95   27.96    16.1   0.112  1463.9
 440.0    1.59    1.57   34.95   27.96    15.3   0.113  1463.7
 450.0    1.56    1.53   34.94   27.96    15.5   0.115  1463.7
 460.0    1.49    1.47   34.94   27.96    15.3   0.117  1463.6
 470.0    1.43    1.40   34.94   27.96    15.1   0.118  1463.4
 480.0    1.31    1.29   34.93   27.97    14.7   0.120  1463.1
 490.0    1.26    1.23   34.92   27.97    14.8   0.121  1463.0
 500.0    1.23    1.20   34.93   27.97    14.1   0.123  1463.0
 530.0    1.14    1.11   34.93   27.98    13.5   0.127  1463.1
 560.0    0.92    0.89   34.92   27.98    12.8   0.131  1462.6
 590.0    0.74    0.71   34.91   27.99    12.1   0.135  1462.3
 620.0    0.51    0.48   34.90   28.00    10.8   0.138  1461.8
 650.0    0.33    0.30   34.90   28.00    10.2   0.141  1461.5
 680.0    0.15    0.12   34.90   28.01     8.9   0.144  1461.2
```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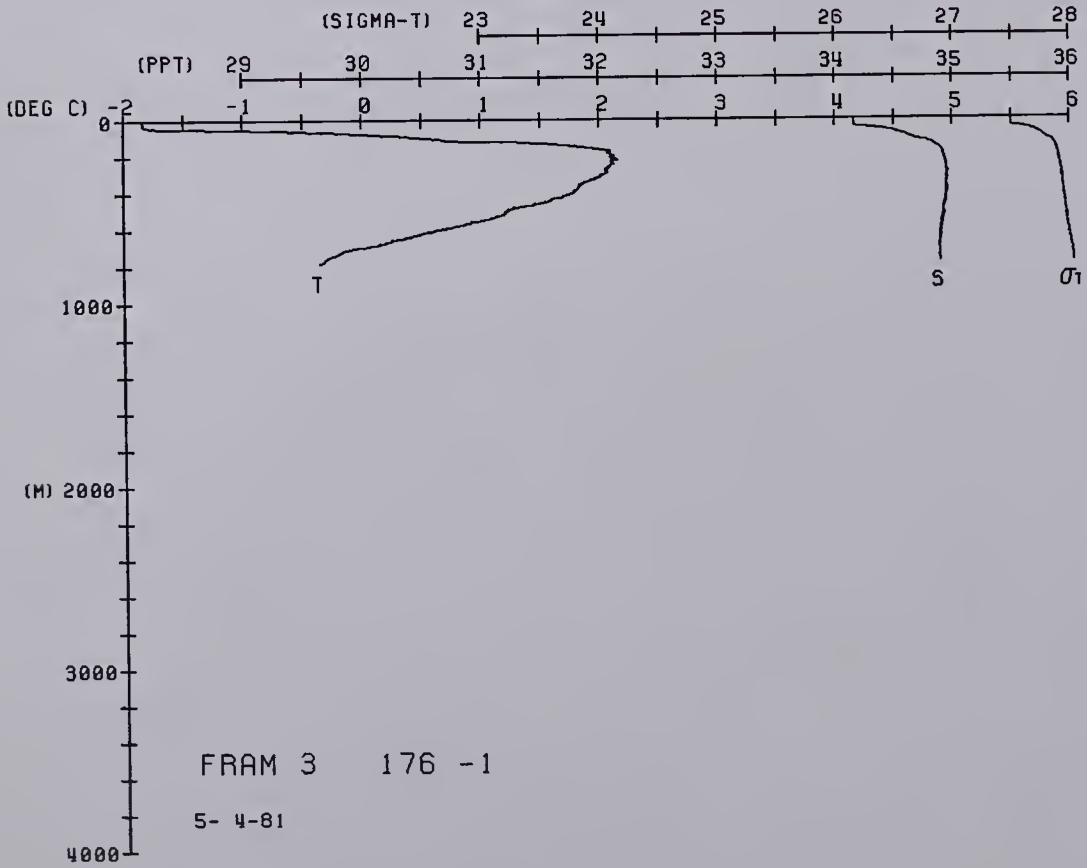
FRAM 3 176 -1
5- 4-81
T
S
σT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4000
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S
σT
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 FRAM 3  STATION 177(1) CTD    4/MAY/1981 1115 GMT  CODE = 5
LAT = 81.7832N LNG =    4.3613E LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.84   -1.84   34.17   27.51    56.9   0.000   1439.6
    4.0  -1.84   -1.84   34.17   27.51    56.8   0.002   1439.6
    5.0  -1.84   -1.84   34.17   27.51    56.8   0.003   1439.6
   10.0  -1.84   -1.84   34.17   27.51    56.7   0.006   1439.7
   15.0  -1.84   -1.84   34.17   27.51    56.6   0.009   1439.8
   20.0  -1.84   -1.84   34.17   27.50    57.0   0.011   1439.9
   25.0  -1.83   -1.83   34.17   27.50    56.9   0.014   1440.0
   30.0  -1.83   -1.83   34.17   27.51    56.5   0.017   1440.1
   35.0  -1.82   -1.82   34.17   27.51    56.3   0.020   1440.3
   40.0  -1.77   -1.77   34.18   27.51    55.9   0.023   1440.6
   45.0  -1.69   -1.69   34.20   27.52    54.8   0.026   1441.1
   50.0  -1.48   -1.49   34.25   27.56    51.1   0.028   1442.2
   55.0  -1.01   -1.01   34.35   27.63    45.1   0.031   1444.6
   60.0  -0.71   -0.71   34.41   27.66    41.8   0.033   1446.2
   65.0  -0.48   -0.48   34.45   27.68    40.0   0.035   1447.4
   70.0  -0.30   -0.30   34.49   27.71    37.8   0.037   1448.4
   75.0  -0.09   -0.09   34.52   27.73    35.8   0.039   1449.5
   80.0   0.06    0.06   34.56   27.75    34.1   0.041   1450.3
   85.0   0.17    0.17   34.58   27.76    32.8   0.042   1450.9
   90.0   0.31    0.31   34.60   27.77    31.9   0.044   1451.7
   95.0   0.38    0.38   34.63   27.78    30.5   0.046   1452.1
  100.0   0.40    0.40   34.64   27.79    29.5   0.047   1452.3
  110.0   0.58    0.58   34.69   27.82    27.2   0.050   1453.3
  120.0   1.26    1.25   34.80   27.86    23.3   0.053   1456.7
  130.0   1.49    1.49   34.82   27.86    23.5   0.055   1457.9
  140.0   1.75    1.74   34.87   27.88    21.7   0.057   1459.3
  150.0   1.89    1.88   34.89   27.89    21.3   0.059   1460.1
  160.0   2.00    1.99   34.90   27.89    21.0   0.061   1460.8
  170.0   2.08    2.07   34.92   27.90    20.3   0.064   1461.3
  180.0   2.11    2.10   34.93   27.91    19.9   0.066   1461.6
  190.0   2.05    2.03   34.93   27.91    19.4   0.068   1461.5
  200.0   2.14    2.13   34.94   27.91    19.4   0.070   1462.1
  210.0   2.15    2.14   34.95   27.92    18.9   0.071   1462.3
  220.0   2.10    2.09   34.94   27.92    19.1   0.073   1462.3
  230.0   2.10    2.08   34.95   27.92    18.4   0.075   1462.4
  240.0   2.12    2.10   34.96   27.93    17.9   0.077   1462.7
  243.2   2.12    2.10   34.96   27.93    18.3   0.078   1462.7
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 FRAM 3  STATION 178(1) CTD    4/MAY/1981 1351 GMT  CODE = 5
LAT = 81.6783N LNG =    1.4117E LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.82   -1.82   34.13   27.47    60.2   0.000   1439.6
   4.0  -1.82   -1.82   34.13   27.47    60.1   0.002   1439.7
   5.0  -1.82   -1.82   34.13   27.48    59.7   0.003   1439.7
  10.0  -1.82   -1.82   34.15   27.49    58.4   0.006   1439.8
  15.0  -1.82   -1.82   34.15   27.49    58.5   0.009   1439.9
  20.0  -1.82   -1.82   34.15   27.49    58.3   0.012   1440.0
  25.0  -1.82   -1.82   34.15   27.49    58.0   0.015   1440.1
  30.0  -1.82   -1.82   34.16   27.50    57.6   0.018   1440.2
  35.0  -1.81   -1.81   34.15   27.49    58.1   0.021   1440.3
  40.0  -1.82   -1.82   34.15   27.49    58.1   0.024   1440.3
  45.0  -1.82   -1.82   34.15   27.49    58.1   0.027   1440.4
  50.0  -1.81   -1.81   34.16   27.50    57.5   0.030   1440.5
  55.0  -1.80   -1.80   34.15   27.49    58.2   0.032   1440.6
  60.0  -1.78   -1.78   34.15   27.49    57.6   0.035   1440.8
  65.0  -1.72   -1.72   34.16   27.50    57.4   0.038   1441.2
  70.0  -1.58   -1.58   34.17   27.50    57.1   0.041   1442.0
  75.0  -1.25   -1.26   34.22   27.53    53.8   0.044   1443.7
  80.0  -0.88   -0.89   34.29   27.58    49.9   0.047   1445.6
  85.0  -0.45   -0.45   34.38   27.63    45.0   0.049   1447.8
  90.0  -0.08   -0.08   34.48   27.69    39.6   0.051   1449.7
  95.0   0.15    0.14   34.53   27.72    36.8   0.053   1450.9
 100.0   0.22    0.21   34.56   27.74    34.6   0.055   1451.3
 110.0   0.43    0.43   34.61   27.77    32.1   0.058   1452.6
 120.0   0.79    0.79   34.65   27.78    31.0   0.061   1454.4
 130.0   1.17    1.16   34.74   27.82    27.3   0.064   1456.4
 140.0   1.43    1.43   34.78   27.84    25.6   0.067   1457.8
 150.0   1.71    1.70   34.84   27.87    23.2   0.070   1459.3
 160.0   1.83    1.82   34.86   27.87    23.1   0.072   1460.0
 170.0   1.89    1.88   34.88   27.88    22.1   0.074   1460.4
 180.0   1.97    1.96   34.88   27.88    22.2   0.076   1460.9
 190.0   1.90    1.89   34.90   27.90    20.8   0.079   1460.8
 200.0   1.96    1.95   34.90   27.89    21.3   0.081   1461.2
 210.0   2.06    2.05   34.91   27.90    20.8   0.083   1461.9
 220.0   2.14    2.13   34.93   27.90    20.5   0.085   1462.4
 230.0   2.12    2.11   34.94   27.91    19.4   0.087   1462.5
 240.0   2.11    2.10   34.94   27.91    19.6   0.089   1462.6
 250.0   2.12    2.10   34.94   27.91    19.7   0.091   1462.8
 260.0   2.10    2.09   34.95   27.92    19.0   0.093   1462.9
 270.0   2.09    2.07   34.95   27.92    19.0   0.095   1463.0
 280.0   2.08    2.06   34.95   27.93    18.4   0.097   1463.2
 290.0   2.03    2.02   34.95   27.93    18.1   0.099   1463.1
 300.0   1.98    1.97   34.94   27.92    18.8   0.100   1463.1
 310.0   2.04    2.02   34.96   27.94    17.8   0.102   1463.5
 320.0   2.01    1.99   34.97   27.94    17.1   0.104   1463.6
 330.0   1.99    1.97   34.96   27.94    17.5   0.106   1463.6
 340.0   1.96    1.94   34.96   27.94    17.5   0.108   1463.6
 350.0   1.91    1.90   34.96   27.95    16.5   0.109   1463.6
 360.0   1.86    1.84   34.96   27.95    16.5   0.111   1463.6
 370.0   1.83    1.80   34.95   27.95    16.9   0.113   1463.6
 380.0   1.79    1.77   34.96   27.96    16.0   0.114   1463.6
 390.0   1.70    1.68   34.94   27.95    16.7   0.116   1463.3
 400.0   1.71    1.68   34.95   27.95    16.4   0.118   1463.5
 410.0   1.68    1.66   34.94   27.95    16.6   0.119   1463.6
 420.0   1.65    1.63   34.95   27.96    16.1   0.121   1463.6
 430.0   1.64    1.62   34.94   27.95    16.5   0.123   1463.7
 440.0   1.63    1.61   34.95   27.96    16.0   0.124   1463.9
 450.0   1.62    1.60   34.95   27.96    15.6   0.126   1464.0
 460.0   1.62    1.59   34.95   27.96    15.5   0.127   1464.1
 470.0   1.61    1.58   34.96   27.97    15.1   0.129   1464.3
 480.0   1.60    1.57   34.96   27.97    14.9   0.130   1464.4
 490.0   1.58    1.55   34.95   27.96    15.4   0.132   1464.4
 500.0   1.47    1.44   34.94   27.96    15.6   0.134   1464.1
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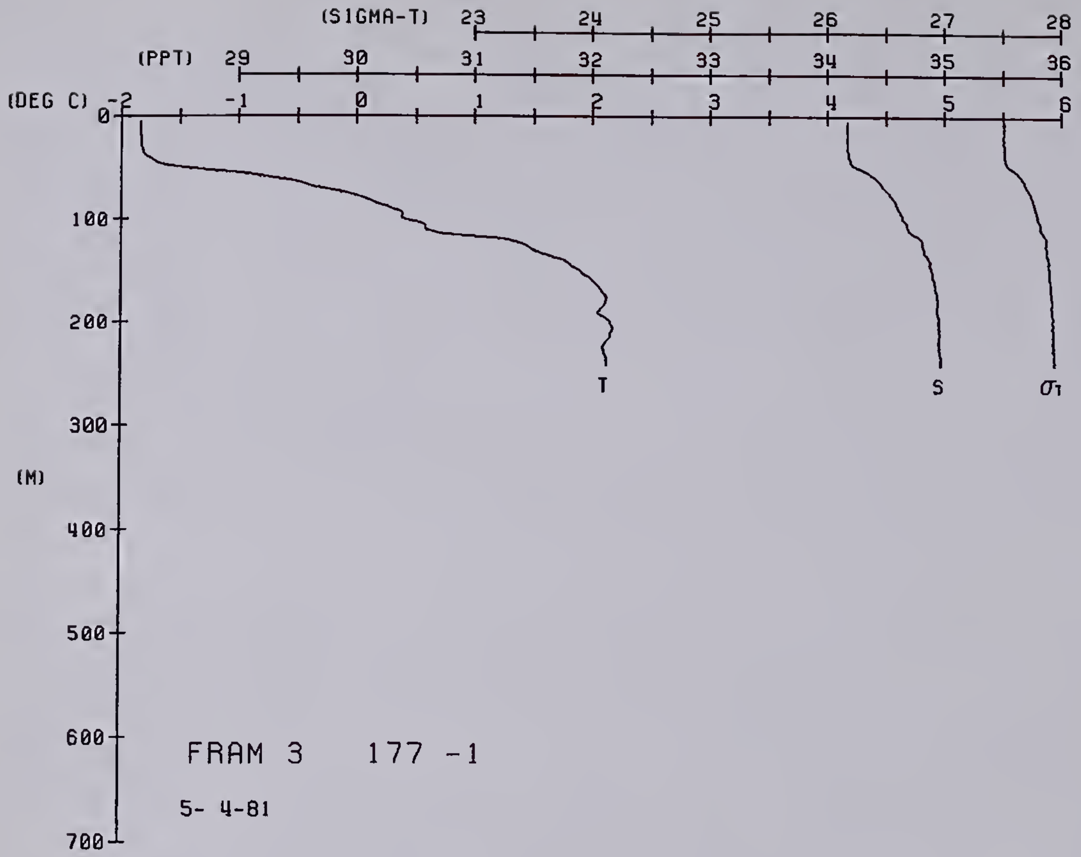
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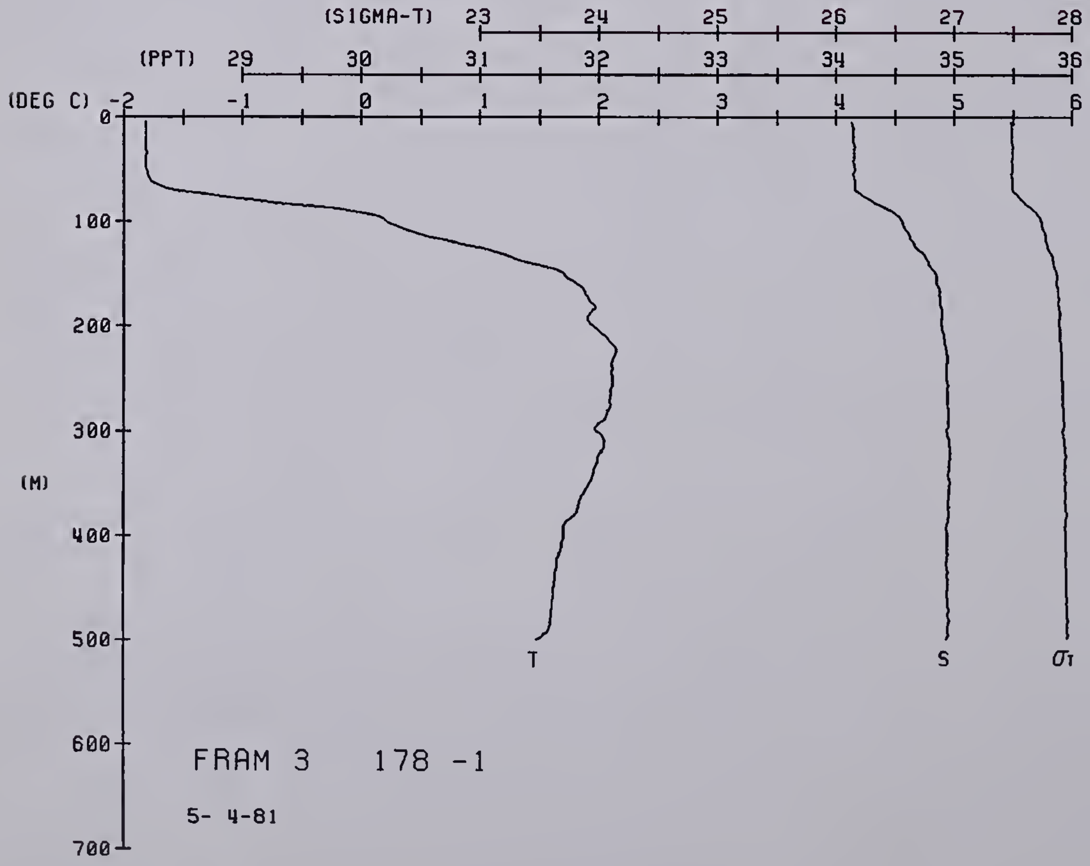
FRAM 3 177 -1
5- 4-81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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
400
500
600
700
(M)
T
S
σT
FRAM 3 178 -1
5- 4-81

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 FRAM 3  STATION 179(1) CTD   4/MAY/1981 1457 GMT  CODE = 5
LAT = 81.4000N LNG =   3.4950E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   34.28   27.60    48.4   0.000   1439.7
   4.0   -1.85   -1.85   34.28   27.60    48.4   0.002   1439.8
   5.0   -1.85   -1.85   34.28   27.59    48.4   0.002   1439.8
  10.0   -1.85   -1.85   34.27   27.59    49.0   0.005   1439.9
  15.0   -1.85   -1.85   34.27   27.59    48.6   0.007   1439.9
  20.0   -1.84   -1.84   34.27   27.59    48.6   0.010   1440.0
  25.0   -1.84   -1.84   34.28   27.60    48.2   0.012   1440.2
  30.0   -1.83   -1.83   34.28   27.60    47.8   0.015   1440.3
  35.0   -1.83   -1.83   34.28   27.60    48.1   0.017   1440.4
  40.0   -1.83   -1.83   34.29   27.60    47.4   0.020   1440.5
  45.0   -1.82   -1.82   34.28   27.60    48.0   0.022   1440.6
  50.0   -1.77   -1.77   34.28   27.59    48.2   0.024   1440.9
  55.0   -1.70   -1.70   34.29   27.60    47.6   0.027   1441.3
  60.0   -1.56   -1.56   34.29   27.60    47.6   0.029   1442.0
  65.0   -1.13   -1.14   34.32   27.61    47.0   0.032   1444.2
  70.0   -0.58   -0.59   34.40   27.65    43.3   0.034   1446.9
  75.0   -0.16   -0.16   34.49   27.70    38.0   0.036   1449.1
  80.0    0.16    0.16   34.56   27.74    34.7   0.038   1450.7
  85.0    0.36    0.36   34.61   27.77    31.7   0.039   1451.8
  90.0    0.54    0.54   34.63   27.78    30.9   0.041   1452.8
  95.0    0.74    0.74   34.68   27.81    28.6   0.043   1453.8
 100.0    0.87    0.86   34.73   27.83    26.0   0.044   1454.5
 110.0    0.99    0.99   34.77   27.86    23.8   0.046   1455.3
 120.0    1.19    1.19   34.78   27.85    24.3   0.049   1456.4
 130.0    1.41    1.40   34.85   27.90    20.0   0.051   1457.6
 140.0    1.37    1.36   34.84   27.89    20.8   0.053   1457.6
 150.0    1.95    1.94   34.91   27.90    20.0   0.055   1460.4
 160.0    2.10    2.09   34.95   27.92    18.5   0.057   1461.3
 170.0    2.18    2.18   34.96   27.93    17.8   0.059   1461.8
 180.0    2.18    2.17   34.97   27.94    17.2   0.061   1462.0
 190.0    2.14    2.13   34.98   27.94    16.6   0.062   1462.0
 200.0    2.14    2.13   34.97   27.94    16.8   0.064   1462.2
 210.0    2.14    2.13   34.99   27.95    16.0   0.066   1462.3
 220.0    2.14    2.12   34.99   27.95    15.8   0.067   1462.5
 230.0    2.14    2.13   34.99   27.95    15.8   0.069   1462.7
 240.0    2.15    2.14   35.00   27.96    15.2   0.071   1462.9
 250.0    2.13    2.12   35.00   27.96    15.2   0.072   1463.0
 260.0    2.09    2.08   35.01   27.97    14.5   0.074   1463.0
 270.0    2.04    2.03   35.01   27.98    13.5   0.075   1462.9
 280.0    2.04    2.02   35.00   27.97    14.5   0.076   1463.0
 290.0    2.01    1.99   35.00   27.97    14.1   0.078   1463.1
 300.0    1.94    1.92   35.00   27.98    13.8   0.079   1463.0
 310.0    1.92    1.90   35.00   27.98    13.5   0.081   1463.0
 320.0    1.85    1.83   34.99   27.98    13.5   0.082   1462.9
 330.0    1.75    1.73   34.99   27.99    12.9   0.083   1462.6
 340.0    1.70    1.68   34.98   27.98    13.4   0.085   1462.5
 350.0    1.66    1.65   34.99   27.99    12.9   0.086   1462.6
 360.0    1.58    1.56   34.98   27.99    12.6   0.087   1462.3
 370.0    1.52    1.50   34.97   27.99    12.6   0.089   1462.2
 380.0    1.43    1.41   34.97   27.99    12.5   0.090   1462.0
 390.0    1.37    1.35   34.97   28.00    11.9   0.091   1461.9
 400.0    1.34    1.32   34.97   27.99    12.0   0.092   1461.9
 410.0    1.31    1.28   34.96   27.99    12.0   0.094   1461.9
 420.0    1.29    1.27   34.96   27.99    12.0   0.095   1462.0
 430.0    1.22    1.20   34.96   27.99    11.9   0.096   1461.9
 440.0    1.12    1.10   34.95   28.00    11.3   0.097   1461.6
 450.0    1.03    1.01   34.96   28.01    10.2   0.098   1461.4
 460.0    0.96    0.94   34.96   28.02     9.4   0.099   1461.2
 470.0    0.90    0.88   34.95   28.01    10.0   0.100   1461.1
 480.0    0.87    0.84   34.95   28.01    10.1   0.101   1461.1
 490.0    0.83    0.81   34.95   28.01     9.9   0.102   1461.1
 499.0    0.81    0.79   34.93   28.01    10.6   0.103   1461.2
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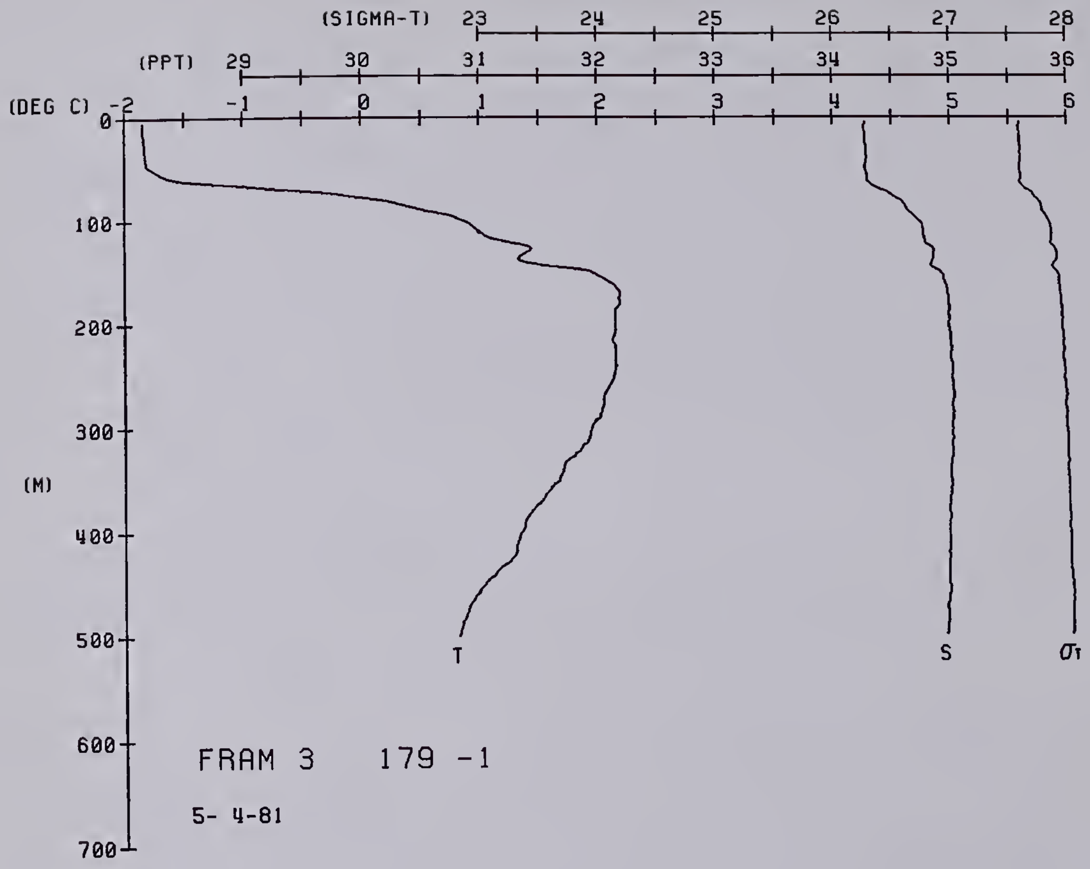

FRAM 3 179 -1

5- 4-81

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                                                 FRAM 3  STATION 180(1) CTD   4/MAY/1981 2013 GMT  CODE = 5
                                                 LAT = 81.7753N LNG =   4.1732E LTER =     30. LGER =    30.
                                                 AIR TEMP =    0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND          DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -1.85   -1.85   34.17   27.51    56.5   0.000   1439.5         710.0  -0.07   -0.10   34.91   28.03     6.6   0.143   1460.7
  4.0  -1.85   -1.85   34.17   27.51    56.4   0.002   1439.6         740.0  -0.18   -0.21   34.91   28.04     5.6   0.145   1460.7
  5.0  -1.85   -1.85   34.17   27.51    56.5   0.003   1439.6         786.0  -0.27   -0.30   34.91   28.05     4.7   0.147   1461.0
 10.0  -1.85   -1.85   34.17   27.51    56.3   0.006   1439.7
 15.0  -1.84   -1.84   34.17   27.51    56.4   0.009   1439.8
 20.0  -1.84   -1.84   34.18   27.51    56.0   0.011   1439.9
 25.0  -1.83   -1.83   34.17   27.51    56.3   0.014   1440.0
 30.0  -1.82   -1.82   34.17   27.51    56.4   0.017   1440.2
 35.0  -1.81   -1.81   34.18   27.51    56.0   0.020   1440.3
 40.0  -1.73   -1.73   34.20   27.53    54.3   0.023   1440.8
 45.0  -1.57   -1.57   34.23   27.55    52.9   0.025   1441.7
 50.0  -1.44   -1.44   34.25   27.56    51.3   0.028   1442.4
 55.0  -1.21   -1.22   34.30   27.59    48.6   0.031   1443.6
 60.0  -0.92   -0.93   34.35   27.63    45.1   0.033   1445.1
 65.0  -0.67   -0.67   34.41   27.66    42.2   0.035   1446.5
 70.0  -0.56   -0.57   34.43   27.67    41.1   0.037   1447.1
 75.0  -0.45   -0.45   34.46   27.69    39.1   0.039   1447.7
 80.0  -0.23   -0.24   34.50   27.72    36.6   0.041   1448.9
 85.0  -0.10   -0.10   34.53   27.73    35.4   0.043   1449.6
 90.0  -0.02   -0.02   34.54   27.74    34.6   0.045   1450.1
 95.0   0.06    0.06   34.56   27.75    33.6   0.047   1450.5
100.0   0.23    0.22   34.61   27.78    31.3   0.048   1451.5
110.0   0.67    0.66   34.69   27.82    27.7   0.051   1453.7
120.0   1.11    1.11   34.76   27.85    24.9   0.054   1456.0
130.0   1.43    1.42   34.82   27.87    23.1   0.056   1457.6
140.0   1.79    1.79   34.87   27.88    21.7   0.058   1459.5
150.0   1.98    1.97   34.90   27.89    21.2   0.061   1460.5
160.0   2.07    2.06   34.91   27.90    20.7   0.063   1461.1
170.0   2.12    2.11   34.92   27.90    20.3   0.065   1461.5
180.0   2.12    2.11   34.93   27.90    20.1   0.067   1461.7
190.0   2.12    2.11   34.94   27.91    19.6   0.069   1461.8
200.0   2.09    2.08   34.94   27.92    19.2   0.071   1461.9
210.0   2.07    2.05   34.94   27.92    18.9   0.073   1461.9
220.0   2.11    2.09   34.94   27.92    18.9   0.075   1462.3
230.0   2.11    2.10   34.95   27.92    18.7   0.077   1462.5
240.0   2.15    2.14   34.96   27.93    18.4   0.078   1462.8
250.0   2.10    2.09   34.95   27.93    18.4   0.080   1462.8
260.0   2.06    2.05   34.96   27.93    17.8   0.082   1462.8
270.0   2.03    2.01   34.96   27.94    17.5   0.084   1462.8
280.0   2.02    2.00   34.96   27.94    17.1   0.086   1462.9
290.0   2.03    2.01   34.96   27.94    17.6   0.087   1463.1
300.0   2.08    2.07   34.97   27.94    17.0   0.089   1463.6
310.0   2.06    2.04   34.97   27.94    17.0   0.091   1463.6
320.0   2.00    1.98   34.97   27.94    16.9   0.093   1463.5
330.0   1.94    1.92   34.96   27.95    16.6   0.094   1463.4
340.0   1.90    1.89   34.97   27.96    16.0   0.096   1463.4
350.0   1.90    1.89   34.97   27.95    16.1   0.098   1463.6
360.0   1.86    1.84   34.97   27.96    16.0   0.099   1463.6
370.0   1.82    1.80   34.96   27.95    16.1   0.101   1463.5
380.0   1.79    1.77   34.97   27.96    15.4   0.102   1463.6
390.0   1.79    1.77   34.97   27.96    15.5   0.104   1463.8
400.0   1.77    1.74   34.96   27.96    15.7   0.106   1463.8
410.0   1.70    1.67   34.96   27.96    15.5   0.107   1463.7
420.0   1.65    1.62   34.96   27.97    15.1   0.109   1463.6
430.0   1.62    1.60   34.96   27.97    15.0   0.110   1463.7
440.0   1.55    1.53   34.96   27.97    14.6   0.112   1463.5
450.0   1.53    1.51   34.96   27.97    14.4   0.113   1463.6
460.0   1.50    1.48   34.96   27.97    14.3   0.115   1463.6
470.0   1.49    1.46   34.95   27.97    14.3   0.116   1463.7
480.0   1.46    1.43   34.95   27.97    14.3   0.118   1463.8
490.0   1.28    1.25   34.94   27.97    14.1   0.119   1463.1
500.0   1.24    1.21   34.94   27.98    13.8   0.120   1463.1
530.0   1.07    1.04   34.93   27.98    13.2   0.125   1462.8
560.0   0.92    0.90   34.92   27.99    12.4   0.128   1462.7
590.0   0.66    0.63   34.91   28.00    11.1   0.132   1462.0
620.0   0.50    0.47   34.91   28.01    10.1   0.135   1461.7
650.0   0.33    0.31   34.91   28.01     9.3   0.138   1461.5
680.0   0.17    0.14   34.91   28.02     8.1   0.141   1461.2
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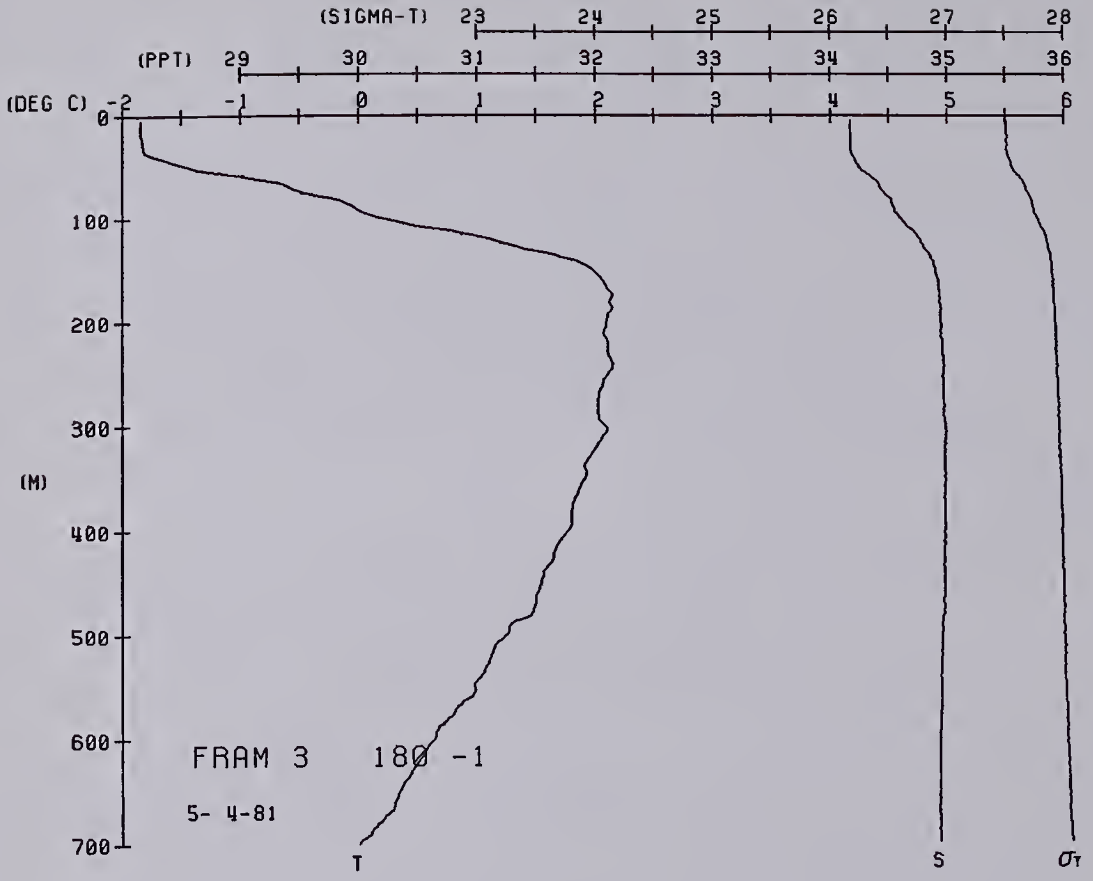
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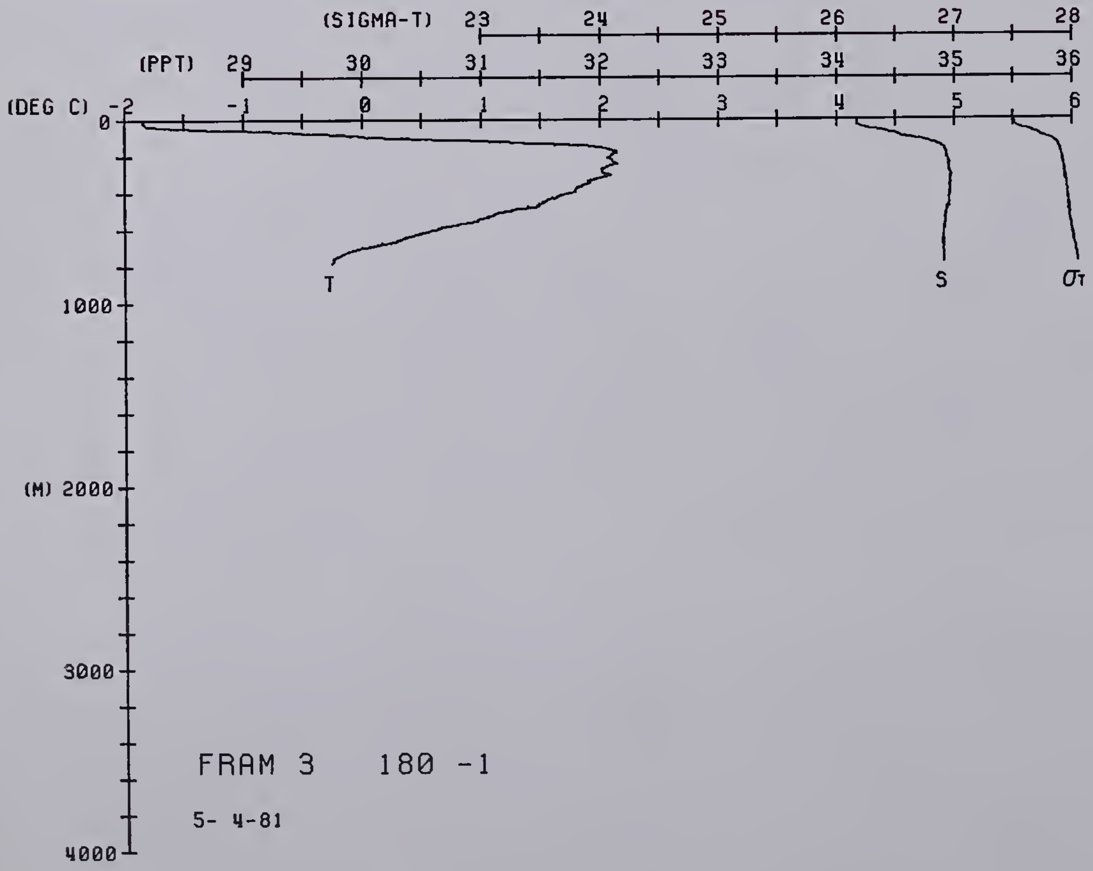
200
300
400
500
600
700
T
S
σT
FRAM 3 180 -1
5- 4-81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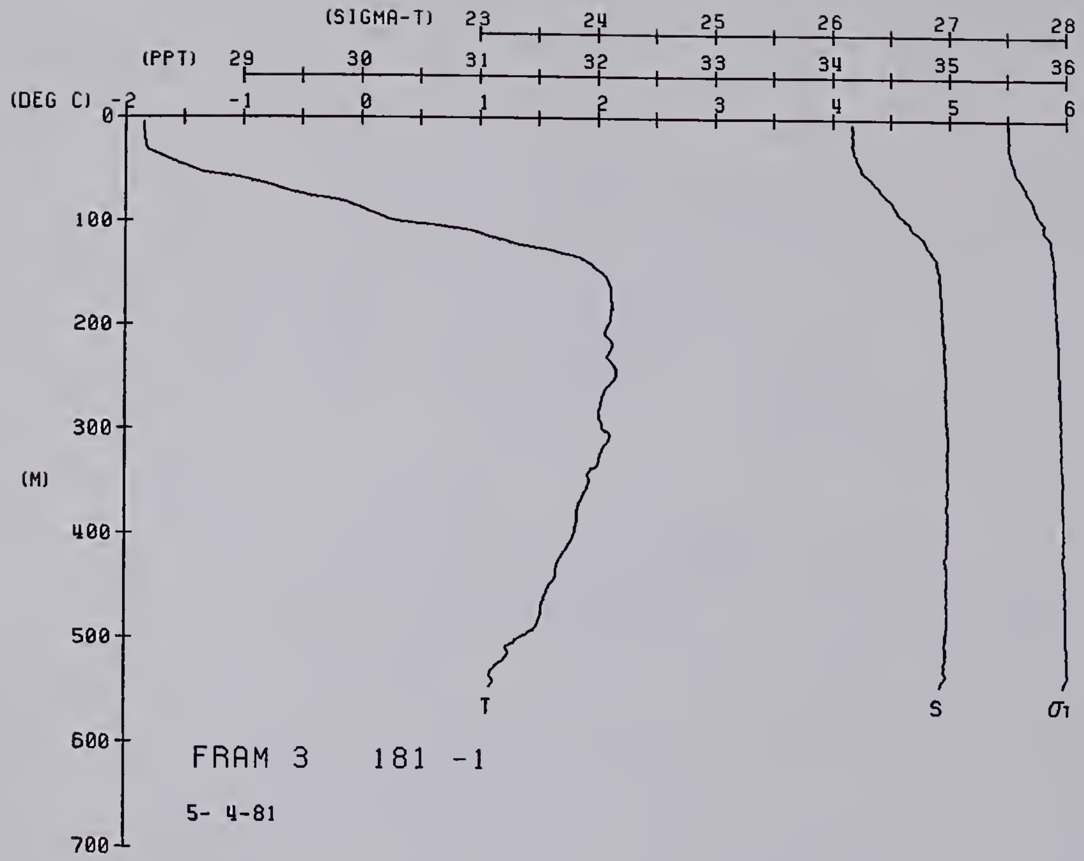
(DEG C) -2 -1 0 1 2 3 4 5 6
(M)
0
1000
2000
3000
4000
T
S
σT
FRAM 3 180 -1
5- 4-81

FRAM 3 STATION 181(1) CTD   4/MAY/1981 2110 GMT CODE = 5
LAT = 81.7750N LNG =   4.1690E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.51	56.4	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.51	56.4	0.002	1439.6
5.0	-1.84	-1.84	34.17	27.51	56.8	0.003	1439.6
10.0	-1.84	-1.84	34.17	27.51	56.6	0.006	1439.7
15.0	-1.84	-1.84	34.17	27.51	56.8	0.009	1439.8
20.0	-1.84	-1.84	34.17	27.51	56.3	0.011	1439.9
25.0	-1.83	-1.83	34.17	27.51	56.6	0.014	1440.1
30.0	-1.81	-1.81	34.18	27.51	56.0	0.017	1440.2
35.0	-1.75	-1.75	34.19	27.52	55.0	0.020	1440.6
40.0	-1.64	-1.64	34.21	27.54	53.8	0.023	1441.3
45.0	-1.52	-1.52	34.23	27.55	52.3	0.025	1441.9
50.0	-1.41	-1.42	34.25	27.56	51.6	0.028	1442.5
55.0	-1.23	-1.23	34.29	27.59	48.6	0.031	1443.5
60.0	-0.96	-0.96	34.35	27.62	45.6	0.033	1444.9
65.0	-0.78	-0.79	34.38	27.64	43.6	0.035	1445.9
70.0	-0.64	-0.64	34.41	27.66	41.8	0.037	1446.7
75.0	-0.47	-0.48	34.45	27.69	39.4	0.039	1447.6
80.0	-0.21	-0.21	34.51	27.72	36.6	0.041	1449.0
85.0	-0.05	-0.05	34.53	27.73	35.8	0.043	1449.8
90.0	0.06	0.06	34.55	27.74	34.3	0.045	1450.4
95.0	0.17	0.16	34.59	27.77	31.8	0.047	1451.1
100.0	0.31	0.30	34.65	27.81	28.3	0.048	1451.9
110.0	0.95	0.95	34.72	27.82	27.2	0.051	1455.0
120.0	1.25	1.24	34.79	27.86	23.6	0.053	1456.6
130.0	1.69	1.68	34.85	27.88	22.1	0.056	1458.8
140.0	1.93	1.92	34.89	27.89	21.3	0.058	1460.1
150.0	2.04	2.03	34.91	27.90	20.7	0.060	1460.8
160.0	2.10	2.09	34.92	27.90	20.7	0.062	1461.2
170.0	2.12	2.11	34.92	27.90	20.6	0.064	1461.5
180.0	2.12	2.11	34.93	27.91	20.0	0.066	1461.7
190.0	2.11	2.09	34.93	27.91	19.6	0.068	1461.8
200.0	2.08	2.07	34.94	27.91	19.2	0.070	1461.9
210.0	2.07	2.06	34.94	27.92	18.8	0.072	1462.0
220.0	2.12	2.11	34.95	27.92	18.5	0.074	1462.4
230.0	2.08	2.06	34.95	27.93	18.2	0.076	1462.3
240.0	2.14	2.13	34.96	27.93	18.4	0.078	1462.8
250.0	2.15	2.13	34.97	27.93	17.8	0.080	1463.0
260.0	2.07	2.05	34.96	27.93	17.9	0.081	1462.8
270.0	2.03	2.01	34.96	27.94	17.4	0.083	1462.8
280.0	2.01	1.99	34.96	27.94	17.2	0.085	1462.9
290.0	2.01	1.99	34.97	27.95	16.7	0.087	1463.0
300.0	2.04	2.02	34.97	27.95	16.8	0.088	1463.4
310.0	2.09	2.07	34.98	27.95	16.7	0.090	1463.7
320.0	2.03	2.01	34.98	27.95	16.4	0.092	1463.6
330.0	2.00	1.98	34.98	27.95	16.2	0.093	1463.7
340.0	1.93	1.91	34.97	27.96	16.0	0.095	1463.5
350.0	1.91	1.90	34.98	27.96	15.3	0.097	1463.7
360.0	1.88	1.86	34.97	27.96	16.0	0.098	1463.7
370.0	1.84	1.82	34.97	27.96	15.5	0.100	1463.6
380.0	1.82	1.80	34.97	27.96	15.2	0.101	1463.7
390.0	1.81	1.79	34.97	27.97	15.1	0.103	1463.9
400.0	1.79	1.77	34.97	27.97	14.9	0.104	1463.9
410.0	1.75	1.73	34.97	27.97	15.1	0.106	1463.9
420.0	1.69	1.67	34.96	27.97	15.1	0.107	1463.8
430.0	1.65	1.63	34.96	27.96	15.2	0.109	1463.8
440.0	1.63	1.61	34.96	27.97	14.7	0.111	1463.9
450.0	1.58	1.55	34.96	27.98	14.1	0.112	1463.8
460.0	1.54	1.52	34.96	27.98	13.9	0.113	1463.8
470.0	1.51	1.49	34.96	27.98	14.0	0.115	1463.9
480.0	1.51	1.48	34.96	27.98	13.8	0.116	1464.0
490.0	1.46	1.44	34.96	27.98	13.4	0.118	1464.0
500.0	1.33	1.30	34.95	27.98	13.3	0.119	1463.5
530.0	1.10	1.07	34.94	27.99	12.6	0.123	1463.0
547.4	1.07	1.04	34.90	27.96	15.3	0.125	1463.1

FRAM 3 STATION 182(1) CTD   4/MAY/1981 2148 GMT CODE = 5
LAT = 81.7737N LNG =   4.1552E LTER =   30. LGER =   30.
AIR TEMP =   0.0 BAROM =   0.0 WIND =   0.0 SPEED =   0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.51	56.5	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.51	56.4	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.51	56.5	0.003	1439.6
10.0	-1.84	-1.84	34.17	27.50	56.9	0.006	1439.7
15.0	-1.84	-1.84	34.17	27.51	56.7	0.009	1439.8
20.0	-1.84	-1.84	34.17	27.51	56.6	0.011	1439.9
25.0	-1.82	-1.82	34.18	27.51	56.1	0.014	1440.1
30.0	-1.80	-1.80	34.18	27.51	55.9	0.017	1440.3
35.0	-1.74	-1.74	34.19	27.52	55.0	0.020	1440.6
40.0	-1.64	-1.65	34.21	27.53	53.9	0.023	1441.2
45.0	-1.49	-1.49	34.24	27.55	52.1	0.025	1442.1
50.0	-1.32	-1.32	34.27	27.57	50.3	0.028	1443.0
55.0	-1.09	-1.09	34.31	27.60	47.6	0.030	1444.2
60.0	-0.93	-0.93	34.35	27.62	45.5	0.033	1445.1
65.0	-0.79	-0.79	34.38	27.64	44.0	0.035	1445.9
70.0	-0.68	-0.68	34.40	27.65	42.6	0.037	1446.5
75.0	-0.53	-0.53	34.44	27.68	40.2	0.039	1447.3
80.0	-0.28	-0.28	34.50	27.72	36.6	0.041	1448.7
85.0	-0.04	-0.05	34.54	27.74	34.9	0.043	1449.9
90.0	0.07	0.07	34.57	27.76	32.9	0.045	1450.5
95.0	0.22	0.22	34.61	27.78	31.1	0.046	1451.3
100.0	0.50	0.50	34.65	27.80	29.4	0.048	1452.8
110.0	1.01	1.00	34.74	27.84	25.7	0.051	1455.3
120.0	1.33	1.32	34.80	27.86	23.5	0.053	1457.0
130.0	1.76	1.75	34.87	27.88	21.6	0.055	1459.2
140.0	1.99	1.98	34.90	27.89	21.2	0.058	1460.4
150.0	2.09	2.08	34.92	27.90	20.5	0.060	1461.0
160.0	2.12	2.12	34.92	27.90	20.7	0.062	1461.3
170.0	2.13	2.12	34.93	27.90	20.3	0.064	1461.5
180.0	2.13	2.12	34.93	27.90	20.4	0.066	1461.7
190.0	2.09	2.08	34.93	27.91	19.6	0.068	1461.7
200.0	2.07	2.05	34.93	27.91	19.2	0.070	1461.8
210.0	2.10	2.09	34.95	27.92	18.5	0.072	1462.1
220.0	2.07	2.05	34.94	27.92	18.9	0.074	1462.1
230.0	2.10	2.09	34.95	27.93	18.4	0.076	1462.4
240.0	2.14	2.13	34.96	27.93	18.2	0.077	1462.8
250.0	2.14	2.12	34.96	27.93	18.1	0.079	1462.9
260.0	2.06	2.04	34.95	27.93	18.1	0.081	1462.7
270.0	2.02	2.00	34.96	27.94	17.4	0.083	1462.8
280.0	2.00	1.99	34.96	27.94	17.5	0.085	1462.9
290.0	2.02	2.00	34.96	27.94	17.1	0.086	1463.1
300.0	2.07	2.05	34.97	27.94	17.1	0.088	1463.5
310.0	2.08	2.06	34.97	27.94	17.1	0.090	1463.7
320.0	2.03	2.01	34.97	27.95	16.8	0.092	1463.6
330.0	2.00	1.98	34.97	27.95	16.6	0.093	1463.7
340.0	1.96	1.94	34.97	27.95	16.3	0.095	1463.7
350.0	1.90	1.89	34.97	27.95	16.2	0.097	1463.6
360.0	1.89	1.87	34.97	27.96	16.0	0.098	1463.7
370.0	1.82	1.80	34.97	27.96	15.5	0.100	1463.6
380.0	1.80	1.78	34.97	27.96	15.5	0.101	1463.7
390.0	1.80	1.78	34.97	27.97	15.2	0.103	1463.8
400.0	1.79	1.77	34.97	27.97	15.2	0.105	1463.9
410.0	1.75	1.72	34.97	27.96	15.2	0.106	1463.9
420.0	1.70	1.68	34.96	27.96	15.2	0.108	1463.8
430.0	1.66	1.64	34.97	27.97	14.5	0.109	1463.8
440.0	1.64	1.62	34.96	27.97	15.0	0.111	1463.9
450.0	1.57	1.55	34.96	27.97	14.3	0.112	1463.8
460.0	1.54	1.52	34.96	27.97	14.3	0.114	1463.8
470.0	1.51	1.49	34.96	27.98	14.1	0.115	1463.9
480.0	1.50	1.47	34.96	27.98	13.9	0.116	1464.0
490.0	1.45	1.43	34.96	27.98	13.5	0.118	1463.9
500.0	1.34	1.31	34.95	27.98	13.5	0.119	1463.5
502.0	1.32	1.29	34.95	27.98	13.4	0.119	1463.5


FRAM 3 181 -1

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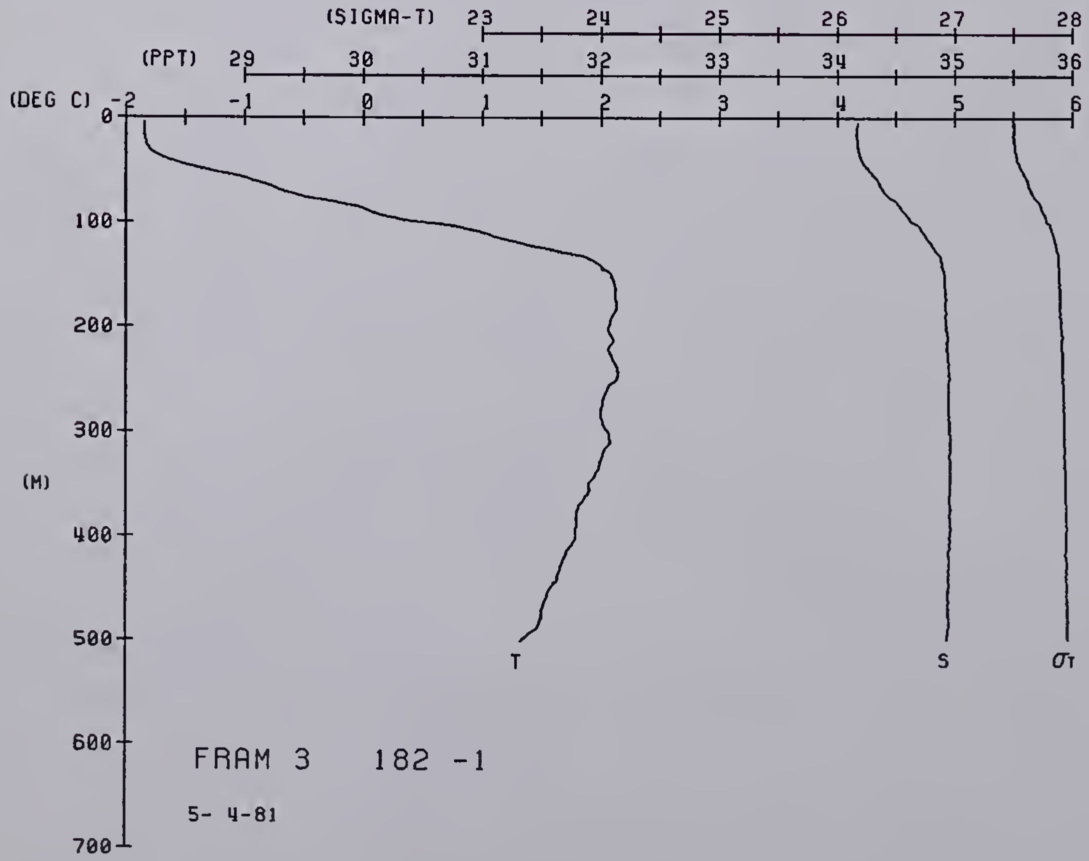
FRAM 3 182 -1

5- 4-81

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 FRAM 3  STATION 183(1) CTD   4/MAY/1981 2149 GMT  CODE = 5
LAT = 81.7737N LNG =   4.1552E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.82   -1.82   34.15   27.49    58.5   0.000  1439.6
   4.0   -1.82   -1.82   34.15   27.49    58.4   0.002  1439.7
   5.0   -1.82   -1.82   34.15   27.49    58.5   0.003  1439.7
  10.0   -1.82   -1.82   34.14   27.48    59.2   0.006  1439.8
  15.0   -1.83   -1.83   34.14   27.48    58.8   0.009  1439.8
  20.0   -1.82   -1.82   34.15   27.49    58.2   0.012  1440.0
  25.0   -1.81   -1.81   34.15   27.49    58.4   0.015  1440.1
  30.0   -1.78   -1.78   34.14   27.48    58.6   0.018  1440.3
  35.0   -1.72   -1.72   34.14   27.48    59.2   0.021  1440.7
  40.0   -1.62   -1.63   34.16   27.49    57.8   0.024  1441.2
  45.0   -1.47   -1.47   34.17   27.50    57.1   0.027  1442.1
  50.0   -1.29   -1.29   34.19   27.51    56.4   0.029  1443.0
  55.0   -1.08   -1.08   34.23   27.54    53.7   0.032  1444.2
  60.0   -0.92   -0.92   34.28   27.57    50.7   0.035  1445.1
  65.0   -0.79   -0.79   34.32   27.60    48.1   0.037  1445.8
  70.0   -0.67   -0.67   34.35   27.61    46.3   0.040  1446.5
  75.0   -0.53   -0.53   34.38   27.63    45.0   0.042  1447.2
  80.0   -0.30   -0.30   34.41   27.64    43.7   0.044  1448.4
  85.0   -0.05   -0.05   34.47   27.68    40.1   0.046  1449.8
  90.0    0.08    0.08   34.52   27.71    37.0   0.048  1450.5
  95.0    0.22    0.21   34.55   27.73    35.5   0.050  1451.2
 100.0    0.47    0.47   34.57   27.73    35.4   0.052  1452.5
 110.0    1.00    0.99   34.69   27.79    29.9   0.055  1455.2
 120.0    1.31    1.31   34.74   27.82    27.9   0.058  1456.8
 130.0    1.74    1.73   34.81   27.84    26.2   0.061  1459.0
 140.0    1.98    1.97   34.88   27.88    22.6   0.063  1460.3
 150.0    2.09    2.08   34.89   27.88    22.4   0.066  1461.0
 160.0    2.12    2.12   34.91   27.89    21.5   0.068  1461.3
 170.0    2.13    2.13   34.92   27.89    21.0   0.070  1461.6
 180.0    2.14    2.13   34.92   27.89    21.1   0.072  1461.7
 190.0    2.10    2.09   34.93   27.90    20.1   0.074  1461.7
 200.0    2.07    2.06   34.92   27.91    20.1   0.076  1461.8
 210.0    2.09    2.08   34.92   27.90    20.5   0.078  1462.0
 220.0    2.07    2.06   34.94   27.91    19.3   0.080  1462.1
 230.0    2.10    2.09   34.94   27.92    19.3   0.082  1462.4
 240.0    2.14    2.13   34.94   27.91    19.5   0.084  1462.8
 250.0    2.14    2.13   34.95   27.92    18.9   0.086  1463.0
 260.0    2.06    2.05   34.95   27.92    18.6   0.088  1462.8
 270.0    2.03    2.01   34.94   27.92    19.0   0.090  1462.8
 280.0    2.01    1.99   34.95   27.93    18.0   0.092  1462.9
 290.0    2.02    2.01   34.94   27.92    18.8   0.094  1463.1
 300.0    2.06    2.05   34.95   27.93    18.4   0.096  1463.4
 310.0    2.08    2.06   34.96   27.93    18.1   0.098  1463.7
 320.0    2.03    2.01   34.96   27.93    17.9   0.099  1463.6
 330.0    2.01    1.99   34.96   27.94    17.6   0.101  1463.7
 340.0    1.97    1.95   34.96   27.94    17.6   0.103  1463.7
 350.0    1.91    1.90   34.95   27.94    17.4   0.105  1463.6
 360.0    1.90    1.88   34.95   27.94    17.2   0.106  1463.7
 370.0    1.83    1.81   34.96   27.95    16.6   0.108  1463.6
 380.0    1.81    1.79   34.95   27.95    16.9   0.110  1463.7
 390.0    1.81    1.79   34.95   27.95    17.0   0.112  1463.8
 400.0    1.80    1.78   34.95   27.95    16.6   0.113  1463.9
 410.0    1.76    1.73   34.96   27.96    16.0   0.115  1463.9
 420.0    1.71    1.68   34.95   27.95    16.5   0.117  1463.8
 430.0    1.67    1.65   34.94   27.95    16.4   0.118  1463.9
 440.0    1.64    1.62   34.94   27.95    16.2   0.120  1463.9
 450.0    1.59    1.56   34.94   27.96    16.1   0.122  1463.8
 460.0    1.55    1.53   34.94   27.96    16.0   0.123  1463.8
 470.0    1.52    1.49   34.95   27.97    14.9   0.125  1463.9
 480.0    1.51    1.48   34.94   27.96    15.9   0.126  1464.0
 490.0    1.46    1.43   34.94   27.96    15.5   0.128  1463.9
 500.0    1.33    1.30   34.92   27.96    15.7   0.129  1463.5
 501.0    1.32    1.29   34.92   27.96    15.8   0.130  1463.5
```

```
 FRAM 3  STATION 184(1) CTD   5/MAY/1981 1629 GMT  CODE = 5
LAT = 81.7578N LNG =   3.9492E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   34.18   27.51    56.2   0.000  1439.6
   4.0   -1.85   -1.85   34.18   27.51    56.1   0.002  1439.6
   5.0   -1.85   -1.85   34.18   27.51    56.1   0.003  1439.6
  10.0   -1.85   -1.85   34.18   27.51    56.1   0.006  1439.7
  15.0   -1.85   -1.85   34.18   27.51    56.1   0.009  1439.8
  20.0   -1.85   -1.85   34.18   27.51    56.0   0.011  1439.9
  25.0   -1.85   -1.85   34.18   27.51    55.9   0.014  1440.0
  30.0   -1.85   -1.85   34.18   27.52    55.8   0.017  1440.1
  35.0   -1.84   -1.84   34.18   27.52    55.5   0.020  1440.2
  40.0   -1.83   -1.83   34.19   27.52    55.3   0.023  1440.3
  45.0   -1.82   -1.82   34.19   27.52    55.2   0.025  1440.4
  50.0   -1.79   -1.80   34.20   27.53    54.3   0.028  1440.7
  55.0   -1.62   -1.62   34.23   27.55    52.1   0.031  1441.6
  60.0   -1.29   -1.29   34.29   27.59    48.6   0.033  1443.3
  65.0   -0.94   -0.95   34.35   27.62    45.4   0.036  1445.1
  70.0   -0.69   -0.69   34.41   27.67    41.5   0.038  1446.5
  75.0   -0.49   -0.49   34.45   27.69    39.5   0.040  1447.5
  80.0   -0.28   -0.28   34.50   27.72    36.8   0.042  1448.6
  85.0   -0.14   -0.14   34.53   27.74    35.0   0.044  1449.4
  90.0    0.08    0.08   34.58   27.76    32.7   0.045  1450.6
  95.0    0.28    0.28   34.62   27.78    30.6   0.047  1451.6
 100.0    0.54    0.54   34.67   27.81    28.3   0.049  1452.9
 110.0    0.78    0.78   34.71   27.83    26.6   0.051  1454.3
 120.0    0.96    0.95   34.75   27.85    24.9   0.054  1455.3
 130.0    1.47    1.47   34.83   27.88    22.0   0.056  1457.9
 140.0    1.82    1.81   34.88   27.89    21.4   0.059  1459.6
 150.0    1.99    1.99   34.90   27.90    20.7   0.061  1460.6
 160.0    2.10    2.09   34.92   27.90    20.4   0.063  1461.2
 170.0    2.13    2.12   34.93   27.91    20.0   0.065  1461.5
 180.0    2.11    2.10   34.93   27.90    20.1   0.067  1461.6
 190.0    2.09    2.08   34.94   27.91    19.2   0.069  1461.7
 200.0    2.14    2.13   34.94   27.91    19.4   0.071  1462.1
 210.0    2.14    2.13   34.95   27.92    18.8   0.073  1462.3
 220.0    2.15    2.14   34.95   27.92    18.9   0.075  1462.5
 230.0    2.14    2.13   34.96   27.93    18.4   0.076  1462.6
 240.0    2.16    2.15   34.97   27.93    17.9   0.078  1462.9
 250.0    2.24    2.23   34.97   27.93    18.0   0.080  1463.4
 260.0    2.26    2.25   34.98   27.94    17.6   0.082  1463.7
 270.0    2.15    2.14   34.97   27.94    17.5   0.084  1463.4
 280.0    2.21    2.19   34.98   27.94    17.3   0.085  1463.8
 290.0    2.15    2.13   34.98   27.94    17.4   0.087  1463.7
 300.0    2.06    2.04   34.97   27.94    17.3   0.089  1463.4
 310.0    2.00    1.98   34.97   27.95    16.6   0.091  1463.4
 320.0    2.02    2.00   34.97   27.95    16.7   0.092  1463.6
 330.0    1.99    1.97   34.97   27.95    16.7   0.094  1463.6
 340.0    1.96    1.94   34.97   27.96    16.0   0.096  1463.7
 350.0    1.88    1.87   34.97   27.96    15.8   0.097  1463.5
 360.0    1.86    1.84   34.97   27.96    15.9   0.099  1463.6
 370.0    1.85    1.82   34.97   27.96    15.6   0.100  1463.7
 380.0    1.81    1.79   34.96   27.96    15.9   0.102  1463.7
 390.0    1.78    1.76   34.97   27.96    15.3   0.104  1463.7
 400.0    1.73    1.70   34.96   27.96    15.2   0.105  1463.6
 410.0    1.71    1.68   34.96   27.96    15.3   0.107  1463.7
 420.0    1.66    1.64   34.96   27.97    14.9   0.108  1463.7
 430.0    1.64    1.62   34.96   27.97    14.6   0.110  1463.8
 440.0    1.62    1.60   34.96   27.97    14.7   0.111  1463.8
 450.0    1.60    1.58   34.96   27.97    14.6   0.113  1463.9
 460.0    1.59    1.56   34.96   27.97    14.6   0.114  1464.0
 470.0    1.57    1.54   34.96   27.97    14.6   0.116  1464.1
 480.0    1.50    1.48   34.96   27.97    14.3   0.117  1464.0
 490.0    1.44    1.41   34.95   27.97    14.2   0.119  1463.8
 495.1    1.41    1.38   34.95   27.98    14.1   0.119  1463.8
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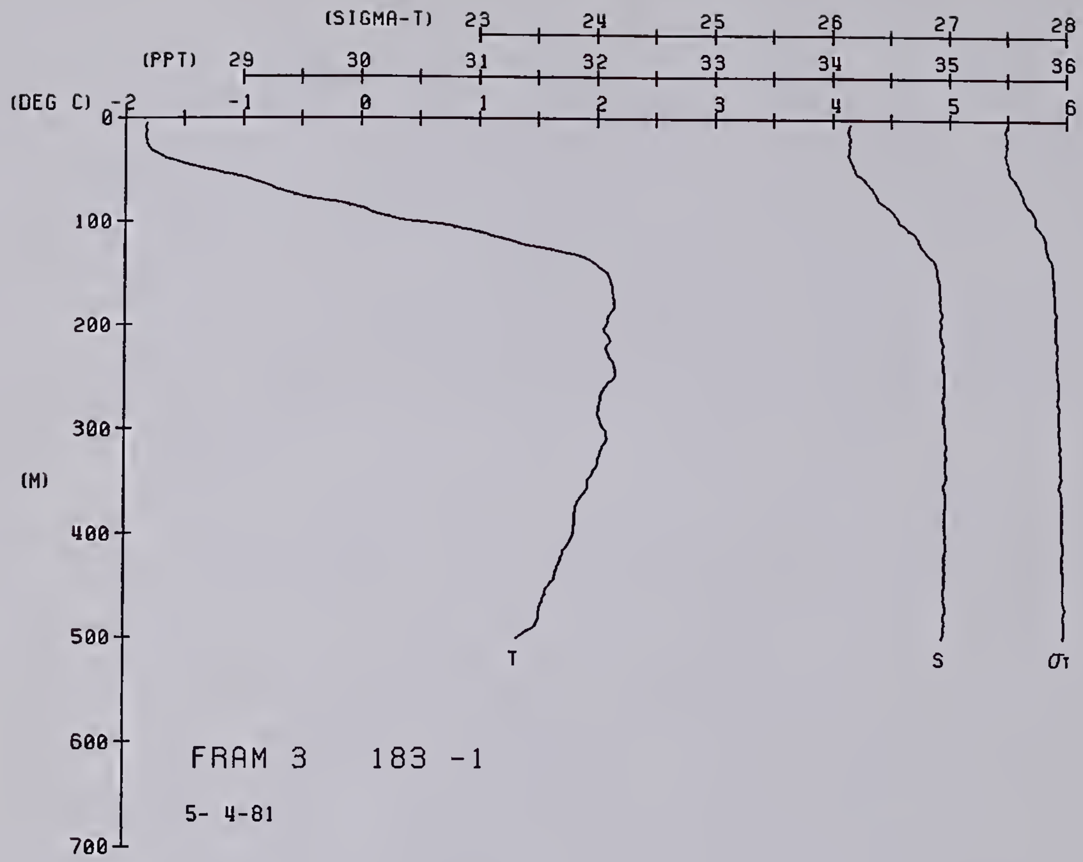

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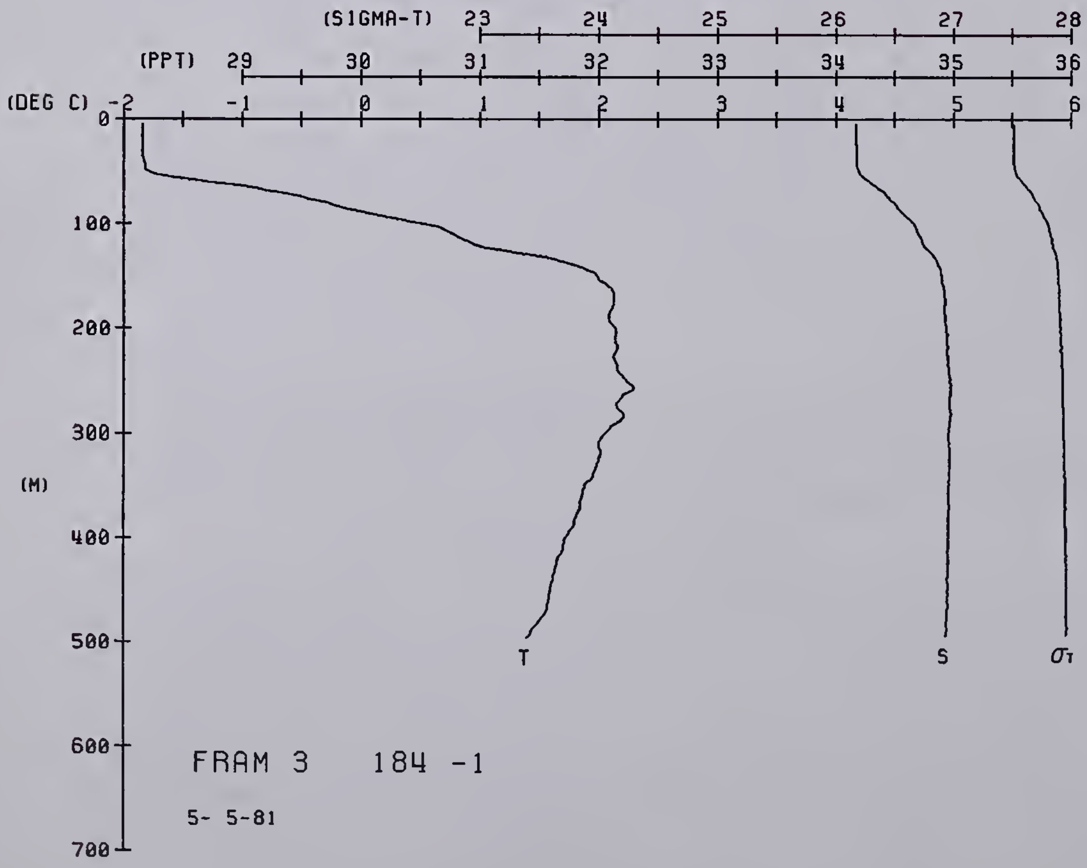

FRAM 3 184 -1

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 FRAM 3  STATION 185(1) CTD    5/MAY/1981 1632 GMT  CODE = 5
LAT = 81.7578N LNG =    3.9492E LTER =      30. LGER =     30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =   0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.83   -1.83   34.13   27.47    60.0   0.000  1439.6
   4.0   -1.83   -1.83   34.13   27.47    59.9   0.002  1439.6
   5.0   -1.83   -1.83   34.13   27.47    59.8   0.003  1439.6
  10.0   -1.84   -1.84   34.13   27.48    59.6   0.006  1439.7
  15.0   -1.84   -1.84   34.13   27.47    59.9   0.009  1439.8
  20.0   -1.84   -1.84   34.12   27.47    60.1   0.012  1439.8
  25.0   -1.84   -1.84   34.13   27.48    59.4   0.015  1439.9
  30.0   -1.83   -1.83   34.13   27.48    59.5   0.018  1440.0
  35.0   -1.83   -1.83   34.12   27.47    60.1   0.021  1440.1
  40.0   -1.82   -1.82   34.13   27.47    59.9   0.024  1440.3
  45.0   -1.81   -1.81   34.13   27.47    60.0   0.027  1440.4
  50.0   -1.76   -1.77   34.13   27.47    60.0   0.030  1440.7
  55.0   -1.56   -1.56   34.13   27.46    60.6   0.033  1441.7
  60.0   -1.19   -1.19   34.14   27.46    60.7   0.036  1443.6
  65.0   -0.89   -0.89   34.23   27.53    54.8   0.039  1445.2
  70.0   -0.64   -0.64   34.29   27.56    51.1   0.042  1446.5
  75.0   -0.45   -0.45   34.35   27.61    47.2   0.044  1447.6
  80.0   -0.26   -0.26   34.40   27.63    44.8   0.047  1448.6
  85.0   -0.10   -0.11   34.44   27.66    41.9   0.049  1449.5
  90.0    0.12    0.12   34.48   27.68    40.2   0.051  1450.6
  95.0    0.33    0.32   34.51   27.69    39.1   0.053  1451.7
 100.0    0.58    0.58   34.57   27.72    36.4   0.055  1453.0
 110.0    0.80    0.80   34.64   27.77    32.4   0.058  1454.3
 120.0    0.99    0.98   34.67   27.78    30.8   0.062  1455.3
 130.0    1.52    1.51   34.72   27.79    30.9   0.065  1457.9
 140.0    1.84    1.84   34.80   27.82    27.4   0.068  1459.6
 150.0    1.99    1.99   34.85   27.85    24.9   0.070  1460.5
 160.0    2.10    2.09   34.86   27.85    24.7   0.073  1461.2
 170.0    2.13    2.12   34.89   27.87    23.2   0.075  1461.5
 180.0    2.11    2.10   34.90   27.88    22.4   0.078  1461.6
 190.0    2.10    2.09   34.89   27.87    23.0   0.080  1461.7
 200.0    2.15    2.14   34.89   27.87    23.1   0.082  1462.1
 210.0    2.14    2.13   34.90   27.88    22.7   0.084  1462.2
 220.0    2.15    2.14   34.91   27.89    21.7   0.087  1462.4
 230.0    2.15    2.14   34.90   27.88    22.5   0.089  1462.6
 240.0    2.17    2.16   34.92   27.89    21.6   0.091  1462.9
 250.0    2.25    2.23   34.92   27.89    22.0   0.093  1463.4
 260.0    2.26    2.25   34.95   27.91    20.2   0.096  1463.6
 270.0    2.16    2.14   34.93   27.91    20.5   0.098  1463.3
 280.0    2.21    2.19   34.93   27.90    21.3   0.100  1463.7
 290.0    2.15    2.13   34.94   27.91    19.9   0.102  1463.6
 300.0    2.06    2.04   34.93   27.91    20.1   0.104  1463.4
 310.0    2.00    1.98   34.92   27.91    20.4   0.106  1463.3
 320.0    2.02    2.00   34.93   27.91    20.2   0.108  1463.5
 330.0    1.99    1.97   34.93   27.92    19.4   0.110  1463.6
 340.0    1.96    1.94   34.92   27.91    20.1   0.112  1463.6
 350.0    1.89    1.87   34.92   27.92    19.6   0.114  1463.5
 360.0    1.87    1.85   34.93   27.92    19.1   0.116  1463.5
 370.0    1.85    1.83   34.93   27.93    18.8   0.118  1463.6
 380.0    1.81    1.79   34.92   27.92    19.0   0.120  1463.6
 390.0    1.78    1.76   34.93   27.94    17.9   0.122  1463.7
 400.0    1.73    1.70   34.92   27.93    18.7   0.123  1463.6
 410.0    1.71    1.68   34.91   27.92    19.1   0.125  1463.6
 420.0    1.66    1.64   34.92   27.94    18.0   0.127  1463.6
 430.0    1.64    1.62   34.92   27.93    18.2   0.129  1463.7
 440.0    1.62    1.60   34.92   27.94    17.8   0.131  1463.8
 450.0    1.60    1.58   34.92   27.94    17.7   0.133  1463.8
 460.0    1.59    1.57   34.91   27.93    18.7   0.135  1463.9
 470.0    1.56    1.54   34.92   27.94    17.3   0.136  1464.0
 480.0    1.50    1.47   34.92   27.95    16.8   0.138  1463.9
 490.0    1.44    1.41   34.91   27.94    17.1   0.140  1463.8
 497.0    1.38    1.36   34.92   27.95    16.2   0.141  1463.7
```

```
 FRAM 3  STATION 186(1) CTD    6/MAY/1981  910 GMT  CODE = 5
LAT = 81.7430N LNG =    3.7743E LTER =      30. LGER =     30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =   0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   34.17   27.51    56.7   0.000  1439.5
   4.0   -1.86   -1.86   34.17   27.51    56.7   0.002  1439.5
   5.0   -1.86   -1.86   34.17   27.51    56.6   0.003  1439.6
  10.0   -1.87   -1.87   34.17   27.51    56.3   0.006  1439.6
  15.0   -1.87   -1.87   34.18   27.51    56.2   0.009  1439.7
  20.0   -1.87   -1.87   34.18   27.51    56.1   0.011  1439.8
  25.0   -1.87   -1.87   34.18   27.51    55.9   0.014  1439.9
  30.0   -1.87   -1.87   34.19   27.52    55.2   0.017  1440.0
  35.0   -1.86   -1.86   34.19   27.52    54.8   0.020  1440.1
  40.0   -1.84   -1.84   34.20   27.53    54.4   0.023  1440.3
  45.0   -1.75   -1.75   34.22   27.55    52.8   0.025  1440.8
  50.0   -1.60   -1.60   34.24   27.56    51.7   0.028  1441.6
  55.0   -1.51   -1.51   34.25   27.57    50.8   0.031  1442.2
  60.0   -1.29   -1.29   34.30   27.59    48.3   0.033  1443.3
  65.0   -0.95   -0.95   34.35   27.63    45.1   0.035  1445.1
  70.0   -0.79   -0.79   34.38   27.64    43.7   0.038  1446.0
  75.0   -0.63   -0.63   34.42   27.67    41.3   0.040  1446.9
  80.0   -0.53   -0.53   34.44   27.68    40.4   0.042  1447.4
  85.0   -0.38   -0.39   34.48   27.71    37.8   0.044  1448.2
  90.0   -0.23   -0.23   34.51   27.72    36.2   0.046  1449.1
  95.0    0.01    0.00   34.57   27.76    33.1   0.047  1450.3
 100.0    0.13    0.12   34.59   27.77    31.8   0.049  1451.0
 110.0    0.73    0.72   34.70   27.82    26.8   0.052  1454.0
 120.0    1.17    1.17   34.78   27.86    23.8   0.055  1456.3
 130.0    1.57    1.57   34.85   27.88    21.6   0.057  1458.3
 140.0    1.80    1.79   34.87   27.89    21.5   0.059  1459.5
 150.0    2.05    2.04   34.91   27.90    20.6   0.061  1460.8
 160.0    2.12    2.11   34.92   27.90    20.4   0.063  1461.3
 170.0    2.08    2.07   34.93   27.91    19.9   0.065  1461.3
 180.0    2.05    2.04   34.92   27.90    20.0   0.067  1461.4
 190.0    2.04    2.02   34.93   27.91    19.6   0.069  1461.5
 200.0    2.12    2.11   34.94   27.91    19.3   0.071  1462.0
 210.0    2.12    2.11   34.95   27.92    18.7   0.073  1462.2
 220.0    2.13    2.12   34.96   27.93    18.2   0.075  1462.4
 230.0    2.15    2.13   34.96   27.93    18.4   0.077  1462.7
 240.0    2.13    2.11   34.96   27.93    17.9   0.079  1462.7
 250.0    2.14    2.13   34.96   27.93    17.9   0.081  1463.0
 260.0    2.18    2.17   34.98   27.94    17.4   0.082  1463.3
 270.0    2.21    2.20   34.98   27.94    17.6   0.084  1463.6
 280.0    2.15    2.13   34.98   27.94    17.1   0.086  1463.5
 290.0    2.05    2.03   34.97   27.94    16.9   0.088  1463.2
 300.0    2.01    1.99   34.97   27.94    16.9   0.089  1463.2
 310.0    1.99    1.97   34.96   27.94    16.9   0.091  1463.3
 320.0    1.96    1.94   34.97   27.95    16.4   0.093  1463.3
 330.0    1.93    1.91   34.97   27.95    16.3   0.094  1463.4
 340.0    1.93    1.91   34.97   27.95    16.1   0.096  1463.5
 350.0    1.90    1.88   34.97   27.95    16.0   0.098  1463.6
 360.0    1.85    1.83   34.97   27.96    16.0   0.099  1463.5
 370.0    1.82    1.80   34.97   27.96    15.5   0.101  1463.6
 380.0    1.83    1.80   34.97   27.96    15.4   0.102  1463.7
 390.0    1.82    1.79   34.97   27.96    15.5   0.104  1463.9
 400.0    1.80    1.77   34.97   27.96    15.6   0.106  1463.9
 410.0    1.74    1.72   34.97   27.97    15.2   0.107  1463.9
 420.0    1.71    1.68   34.96   27.96    15.3   0.109  1463.9
 430.0    1.64    1.62   34.96   27.97    15.1   0.110  1463.7
 440.0    1.59    1.56   34.96   27.97    14.7   0.112  1463.7
 450.0    1.55    1.53   34.95   27.97    14.9   0.113  1463.7
 460.0    1.44    1.42   34.95   27.97    14.5   0.115  1463.3
 470.0    1.35    1.33   34.94   27.97    14.6   0.116  1463.1
 480.0    1.27    1.25   34.94   27.98    13.9   0.118  1462.9
 490.0    1.25    1.22   34.93   27.98    14.0   0.119  1463.0
 492.1    1.21    1.18   34.93   27.97    14.1   0.119  1462.8
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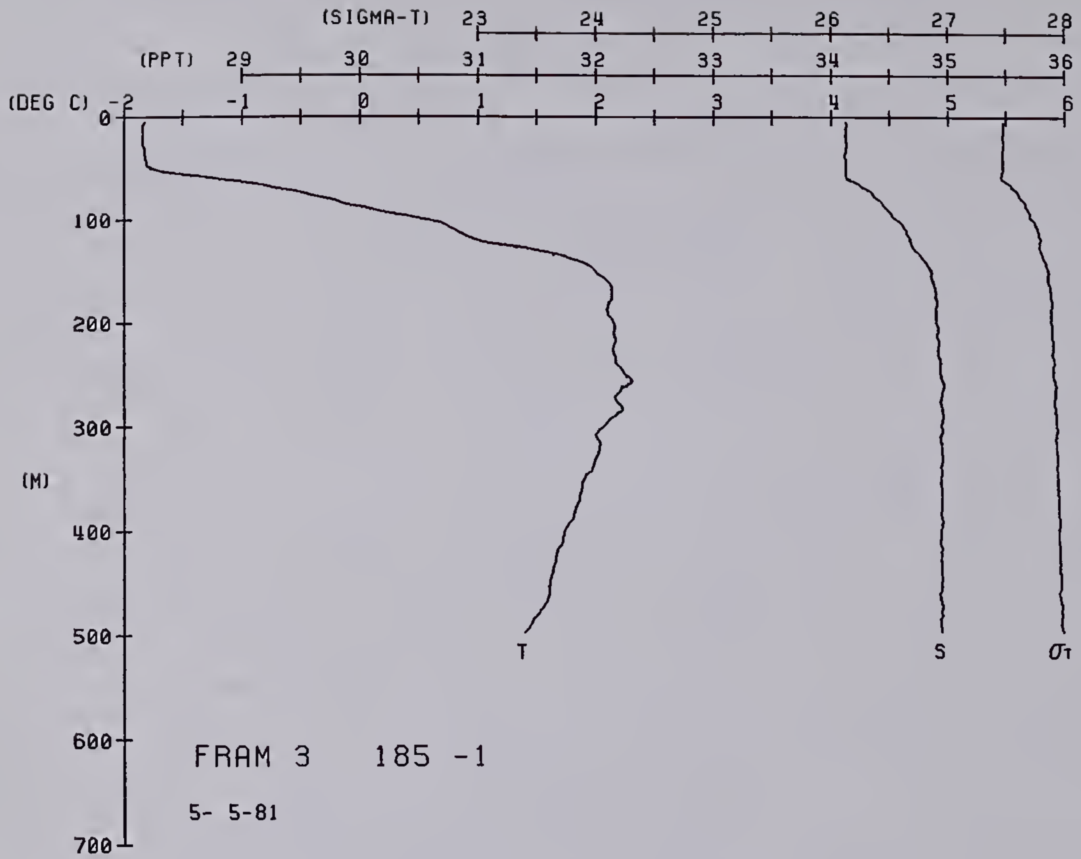

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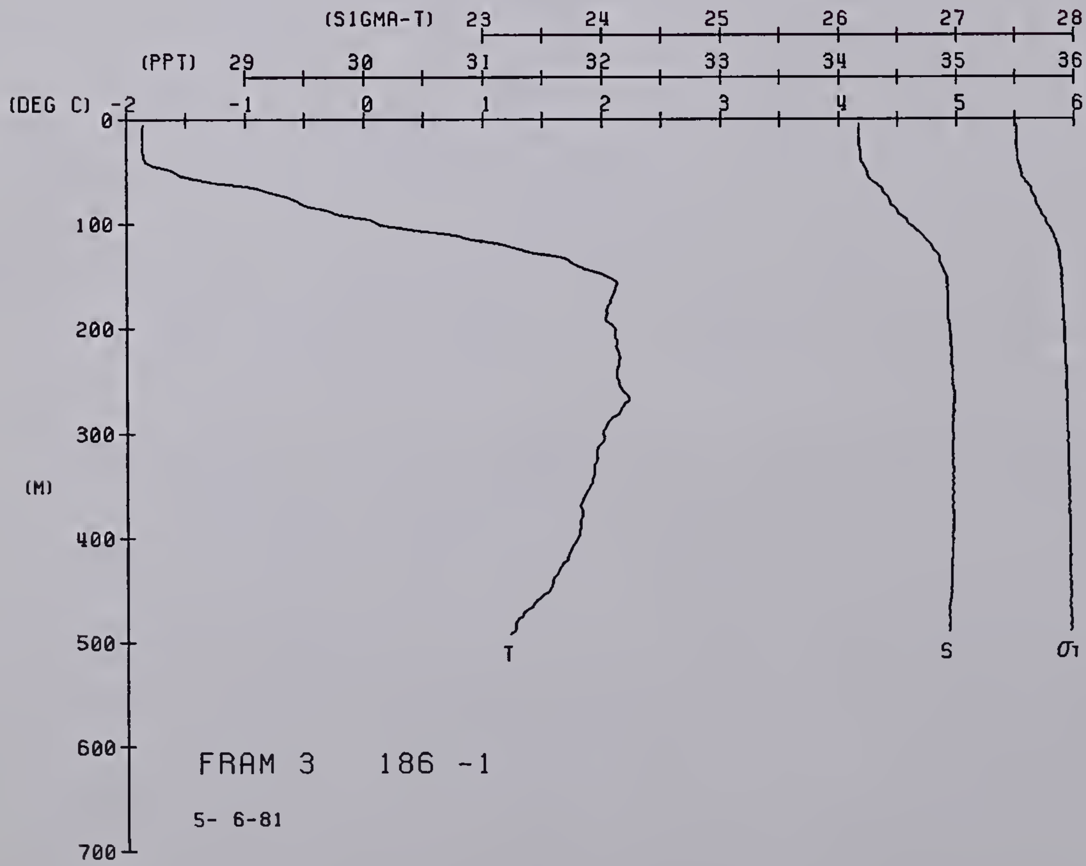

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 FRAM 3  STATION 187(1) CTD   6/MAY/1981  912 GMT  CODE = 5
LAT = 81.7430N LNG =    3.7743E LTER =     30. LGER =     30.
AIR TEMP =   0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.86   -1.86   34.16   27.50    57.5   0.000  1439.5
    4.0  -1.86   -1.86   34.16   27.50    57.5   0.002  1439.5
    5.0  -1.87   -1.87   34.16   27.50    57.7   0.003  1439.5
   10.0  -1.87   -1.87   34.14   27.49    58.6   0.006  1439.6
   15.0  -1.87   -1.87   34.14   27.48    58.9   0.009  1439.6
   20.0  -1.87   -1.87   34.14   27.48    59.1   0.012  1439.7
   25.0  -1.87   -1.87   34.14   27.49    58.6   0.015  1439.8
   30.0  -1.87   -1.87   34.14   27.49    58.4   0.018  1439.9
   35.0  -1.86   -1.86   34.14   27.48    59.1   0.021  1440.0
   40.0  -1.84   -1.84   34.14   27.48    58.7   0.024  1440.2
   45.0  -1.74   -1.74   34.14   27.48    58.6   0.027  1440.8
   50.0  -1.60   -1.60   34.18   27.51    56.4   0.030  1441.6
   55.0  -1.50   -1.50   34.18   27.51    56.2   0.032  1442.1
   60.0  -1.27   -1.27   34.18   27.49    57.6   0.035  1443.3
   65.0  -0.95   -0.96   34.23   27.53    54.5   0.038  1444.9
   70.0  -0.79   -0.79   34.31   27.58    49.2   0.041  1445.9
   75.0  -0.63   -0.63   34.35   27.61    46.8   0.043  1446.8
   80.0  -0.53   -0.53   34.39   27.64    44.0   0.045  1447.3
   85.0  -0.39   -0.39   34.40   27.64    43.6   0.048  1448.1
   90.0  -0.23   -0.23   34.45   27.68    40.7   0.050  1449.0
   95.0   0.00   -0.01   34.47   27.68    40.4   0.052  1450.1
  100.0   0.15    0.14   34.53   27.72    36.7   0.054  1451.0
  110.0   0.73    0.72   34.59   27.73    35.3   0.057  1453.9
  120.0   1.17    1.17   34.69   27.78    30.8   0.061  1456.2
  130.0   1.57    1.56   34.75   27.81    28.7   0.064  1458.2
  140.0   1.80    1.79   34.82   27.84    25.4   0.067  1459.4
  150.0   2.04    2.04   34.86   27.85    24.6   0.069  1460.7
  160.0   2.11    2.10   34.89   27.88    22.6   0.071  1461.2
  170.0   2.08    2.07   34.89   27.88    22.4   0.074  1461.3
  180.0   2.05    2.04   34.89   27.88    22.3   0.076  1461.3
  190.0   2.03    2.02   34.90   27.89    21.6   0.078  1461.4
  200.0   2.12    2.10   34.90   27.88    22.1   0.080  1461.9
  210.0   2.12    2.11   34.90   27.88    22.2   0.083  1462.1
  220.0   2.13    2.12   34.91   27.89    21.8   0.085  1462.4
  230.0   2.14    2.13   34.92   27.90    20.9   0.087  1462.6
  240.0   2.13    2.11   34.93   27.91    20.3   0.089  1462.7
  250.0   2.14    2.13   34.92   27.90    21.0   0.091  1462.9
  260.0   2.18    2.17   34.92   27.90    21.4   0.093  1463.3
  270.0   2.20    2.19   34.96   27.92    19.1   0.095  1463.6
  280.0   2.14    2.13   34.94   27.91    19.8   0.097  1463.4
  290.0   2.06    2.05   34.94   27.91    19.6   0.099  1463.2
  300.0   2.02    2.00   34.94   27.92    19.3   0.101  1463.2
  310.0   1.98    1.97   34.93   27.92    19.2   0.103  1463.2
  320.0   1.96    1.94   34.92   27.91    19.7   0.105  1463.3
  330.0   1.94    1.92   34.93   27.92    18.9   0.107  1463.4
  340.0   1.93    1.91   34.93   27.92    19.4   0.109  1463.5
  350.0   1.89    1.88   34.94   27.93    17.9   0.111  1463.5
  360.0   1.85    1.83   34.93   27.93    18.3   0.113  1463.5
  370.0   1.82    1.80   34.94   27.93    18.0   0.115  1463.5
  380.0   1.82    1.80   34.94   27.94    17.7   0.117  1463.7
  390.0   1.81    1.79   34.93   27.93    18.3   0.118  1463.8
  400.0   1.80    1.77   34.94   27.94    17.8   0.120  1463.9
  410.0   1.74    1.72   34.93   27.94    17.8   0.122  1463.8
  420.0   1.70    1.68   34.93   27.94    17.3   0.124  1463.8
  430.0   1.64    1.62   34.92   27.94    17.6   0.126  1463.7
  440.0   1.59    1.56   34.92   27.94    17.2   0.127  1463.6
  450.0   1.55    1.52   34.93   27.95    16.4   0.129  1463.6
  460.0   1.44    1.42   34.92   27.95    16.6   0.131  1463.3
  470.0   1.35    1.33   34.92   27.95    16.1   0.132  1463.1
  480.0   1.27    1.25   34.91   27.96    15.9   0.134  1462.9
  490.0   1.25    1.22   34.91   27.96    15.7   0.136  1462.9
  492.1   1.22    1.19   34.92   27.96    15.0   0.136  1462.8
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```
 FRAM 3  STATION 188(1) CTD   6/MAY/1981 1417 GMT  CODE = 5
LAT = 80.7383N LNG =    6.1817E LTER =    300. LGER =    300.
AIR TEMP =   0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.82   -1.82   34.31   27.62    46.4   0.000  1439.9
    4.0  -1.82   -1.82   34.31   27.62    46.3   0.002  1439.9
    5.0  -1.82   -1.82   34.31   27.62    46.3   0.002  1439.9
   10.0  -1.82   -1.82   34.31   27.62    46.3   0.005  1440.0
   15.0  -1.82   -1.82   34.32   27.63    45.5   0.007  1440.1
   20.0  -1.81   -1.81   34.32   27.63    45.2   0.009  1440.3
   25.0  -1.81   -1.81   34.31   27.62    45.5   0.012  1440.3
   30.0  -1.80   -1.80   34.32   27.62    45.4   0.014  1440.5
   35.0  -1.79   -1.79   34.31   27.62    45.9   0.016  1440.6
   40.0  -1.63   -1.63   34.31   27.62    45.9   0.019  1441.4
   45.0  -1.05   -1.06   34.33   27.62    46.2   0.021  1444.2
   50.0  -0.30   -0.31   34.41   27.64    43.7   0.023  1447.9
   55.0   0.04    0.04   34.53   27.72    36.4   0.025  1449.7
   60.0   0.26    0.25   34.56   27.74    34.7   0.027  1450.9
   65.0   0.45    0.45   34.58   27.74    34.3   0.029  1451.9
   70.0   0.63    0.63   34.62   27.77    32.2   0.030  1452.8
   75.0   0.78    0.77   34.67   27.79    29.9   0.032  1453.6
   80.0   0.89    0.89   34.69   27.80    29.1   0.033  1454.2
   85.0   1.01    1.01   34.72   27.82    27.3   0.035  1454.9
   90.0   1.24    1.24   34.73   27.81    27.8   0.036  1456.0
   95.0   1.42    1.41   34.79   27.85    25.0   0.038  1457.0
  100.0   1.52    1.51   34.81   27.86    24.0   0.039  1457.5
  110.0   1.59    1.58   34.83   27.87    23.2   0.041  1458.0
  120.0   1.57    1.57   34.85   27.89    21.3   0.043  1458.2
  130.0   1.64    1.64   34.86   27.89    21.3   0.046  1458.7
  140.0   1.77    1.76   34.86   27.88    22.0   0.048  1459.4
  150.0   1.74    1.73   34.90   27.91    19.4   0.050  1459.5
  160.0   1.73    1.72   34.88   27.90    20.6   0.052  1459.6
  170.0   1.99    1.98   34.91   27.90    20.4   0.054  1460.9
  180.0   1.85    1.84   34.93   27.93    17.9   0.056  1460.5
  190.0   1.83    1.82   34.91   27.91    19.2   0.058  1460.5
  200.0   1.81    1.80   34.93   27.93    17.6   0.060  1460.6
  210.0   1.73    1.72   34.92   27.93    17.8   0.061  1460.4
  220.0   1.72    1.70   34.92   27.93    17.4   0.063  1460.5
  230.0   1.77    1.75   34.91   27.92    18.9   0.065  1460.9
  240.0   1.81    1.80   34.94   27.93    17.3   0.067  1461.3
  250.0   1.82    1.81   34.95   27.94    16.6   0.069  1461.5
  260.0   1.79    1.77   34.95   27.95    16.3   0.070  1461.5
  270.0   1.74    1.73   34.95   27.95    16.0   0.072  1461.5
  280.0   1.68    1.67   34.95   27.95    15.6   0.074  1461.4
  290.0   1.63    1.61   34.95   27.96    15.2   0.075  1461.4
  300.0   1.63    1.61   34.95   27.96    15.0   0.077  1461.5
  310.0   1.57    1.56   34.95   27.96    14.7   0.078  1461.4
  320.0   1.57    1.55   34.95   27.96    14.8   0.080  1461.6
  330.0   1.49    1.48   34.95   27.97    13.9   0.081  1461.4
  340.0   1.39    1.37   34.94   27.97    14.2   0.082  1461.1
  350.0   1.34    1.32   34.93   27.96    14.8   0.084  1461.0
  360.0   1.46    1.44   34.94   27.97    14.4   0.085  1461.8
  370.0   1.49    1.47   34.95   27.97    14.2   0.087  1462.1
  380.0   1.48    1.46   34.96   27.98    13.5   0.088  1462.2
  390.0   1.45    1.43   34.96   27.98    13.4   0.090  1462.3
  400.0   1.43    1.41   34.96   27.98    13.3   0.091  1462.3
  410.0   1.41    1.39   34.96   27.99    12.8   0.092  1462.4
  420.0   1.37    1.34   34.95   27.98    13.3   0.094  1462.3
  430.0   1.28    1.26   34.95   27.99    12.5   0.095  1462.2
  440.0   1.15    1.13   34.94   27.98    12.8   0.096  1461.7
  450.0   1.03    1.01   34.93   27.98    12.8   0.098  1461.3
  460.0   1.08    1.05   34.92   27.98    13.6   0.099  1461.7
  470.0   1.12    1.10   34.94   27.99    12.7   0.100  1462.1
  480.0   1.12    1.10   34.94   27.99    12.6   0.101  1462.2
  490.0   1.06    1.03   34.95   28.00    11.4   0.103  1462.1
  499.0   1.02    1.00   34.95   28.00    11.1   0.104  1462.1
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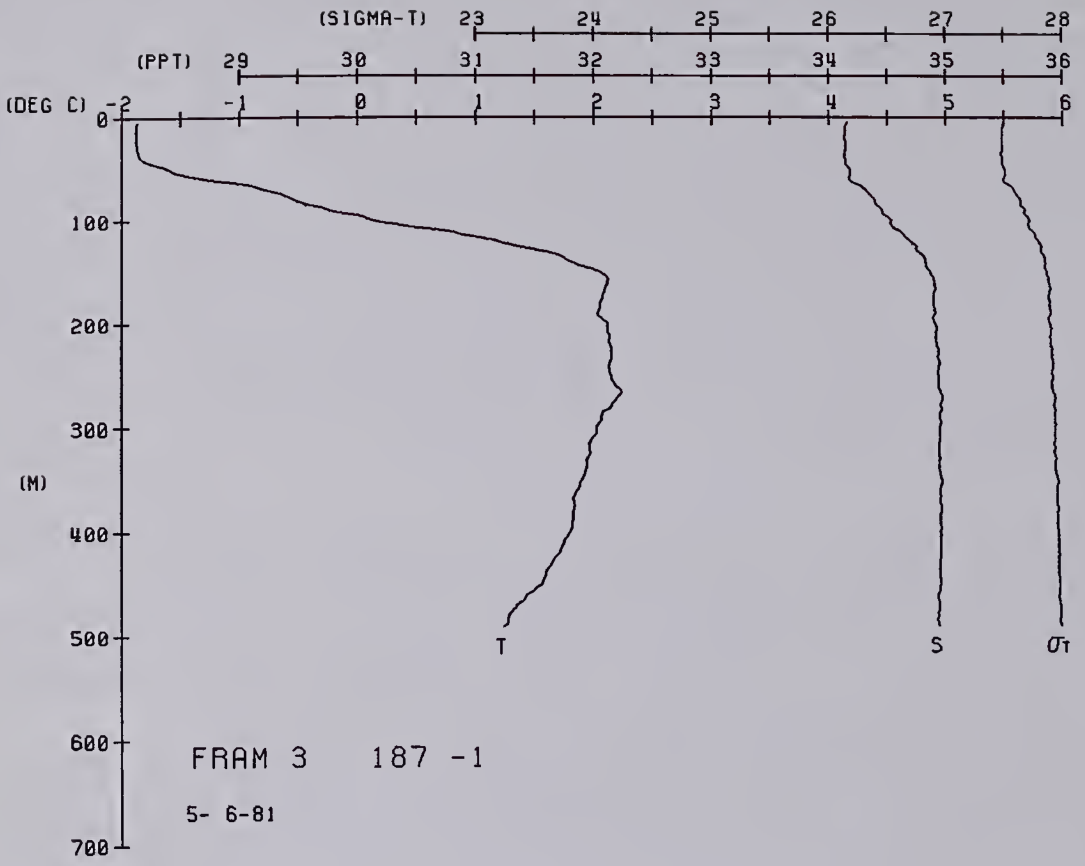

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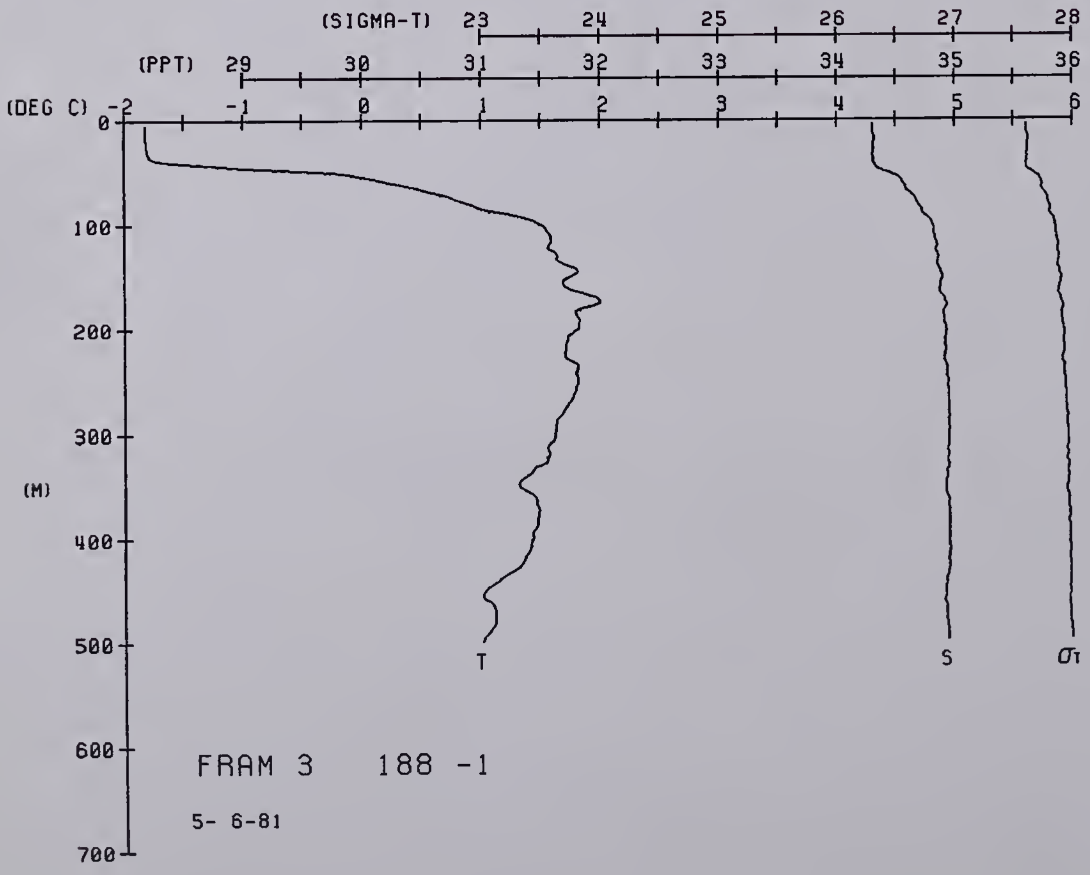

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LAT = 80.7750N LNG =    8.7867E LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

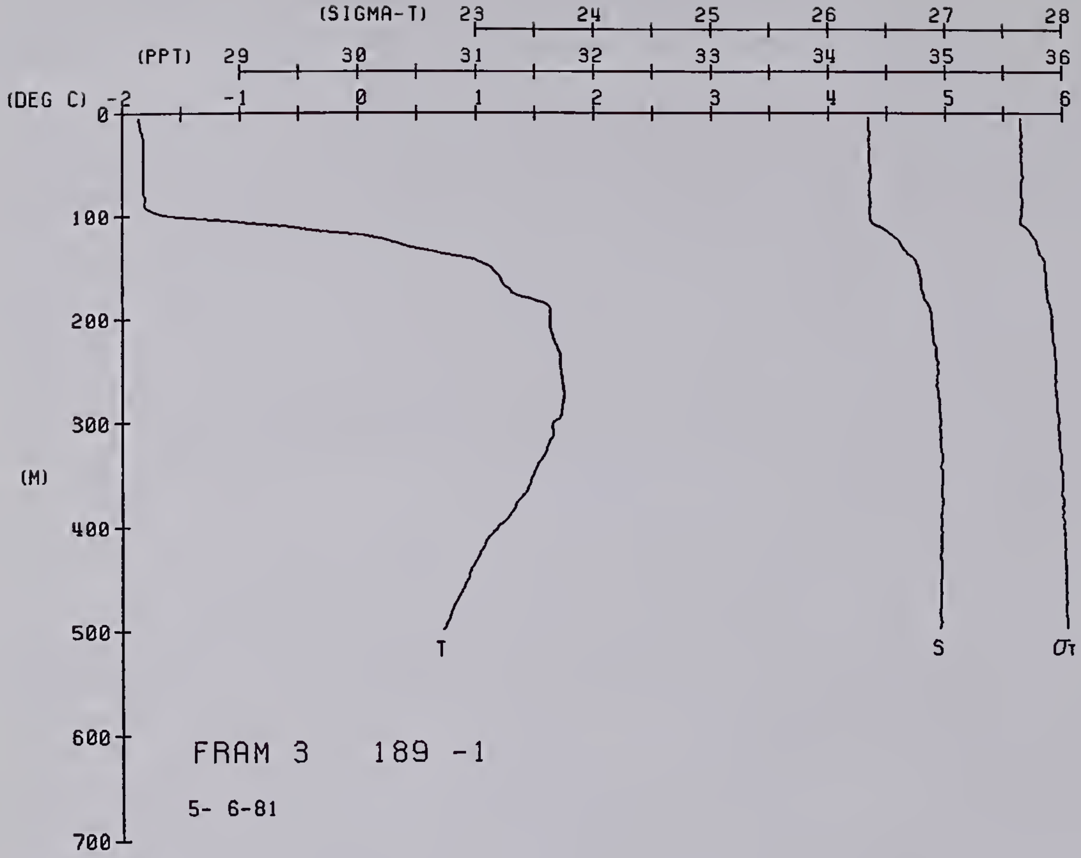
 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.86   -1.86   34.35   27.65    43.2   0.000  1439.7
   4.0   -1.86   -1.86   34.35   27.65    43.2   0.002  1439.8
   5.0   -1.86   -1.86   34.35   27.65    43.2   0.002  1439.8
  10.0   -1.85   -1.85   34.35   27.65    43.1   0.004  1439.9
  15.0   -1.84   -1.84   34.35   27.65    42.8   0.007  1440.1
  20.0   -1.83   -1.83   34.36   27.66    42.4   0.009  1440.2
  25.0   -1.82   -1.82   34.35   27.65    43.0   0.011  1440.3
  30.0   -1.82   -1.82   34.35   27.65    42.9   0.013  1440.4
  35.0   -1.82   -1.82   34.35   27.65    42.7   0.015  1440.5
  40.0   -1.82   -1.82   34.35   27.65    42.9   0.017  1440.6
  45.0   -1.82   -1.82   34.35   27.65    43.0   0.020  1440.7
  50.0   -1.82   -1.82   34.35   27.66    42.4   0.022  1440.7
  55.0   -1.82   -1.82   34.35   27.66    42.4   0.024  1440.8
  60.0   -1.82   -1.82   34.36   27.66    42.0   0.026  1440.9
  65.0   -1.82   -1.82   34.35   27.66    42.2   0.028  1441.0
  70.0   -1.82   -1.82   34.34   27.65    43.1   0.030  1441.1
  75.0   -1.82   -1.82   34.34   27.65    42.9   0.032  1441.2
  80.0   -1.81   -1.81   34.34   27.65    43.0   0.035  1441.3
  85.0   -1.80   -1.81   34.35   27.66    42.1   0.037  1441.4
  90.0   -1.81   -1.81   34.35   27.65    42.2   0.039  1441.5
  95.0   -1.76   -1.76   34.34   27.64    43.2   0.041  1441.8
 100.0   -1.58   -1.58   34.35   27.64    43.3   0.043  1442.7
 110.0   -0.61   -0.62   34.42   27.66    41.6   0.047  1447.5
 120.0    0.13    0.12   34.55   27.74    34.7   0.051  1451.2
 130.0    0.45    0.44   34.63   27.78    31.1   0.055  1453.0
 140.0    0.88    0.88   34.71   27.82    27.5   0.058  1455.2
 150.0    1.12    1.11   34.76   27.84    25.5   0.060  1456.5
 160.0    1.20    1.20   34.77   27.85    24.7   0.063  1457.1
 170.0    1.27    1.26   34.78   27.85    24.8   0.065  1457.5
 180.0    1.44    1.43   34.81   27.86    24.1   0.068  1458.5
 190.0    1.62    1.61   34.86   27.89    21.7   0.070  1459.5
 200.0    1.63    1.61   34.87   27.89    20.9   0.072  1459.7
 210.0    1.63    1.62   34.87   27.90    20.7   0.074  1459.9
 220.0    1.65    1.64   34.88   27.90    20.2   0.076  1460.2
 230.0    1.70    1.69   34.90   27.92    18.8   0.078  1460.6
 240.0    1.71    1.69   34.91   27.92    18.3   0.080  1460.8
 250.0    1.72    1.70   34.91   27.93    18.2   0.082  1461.0
 260.0    1.73    1.71   34.91   27.92    18.4   0.084  1461.2
 270.0    1.74    1.73   34.92   27.93    18.2   0.086  1461.5
 280.0    1.73    1.72   34.93   27.93    17.6   0.088  1461.6
 290.0    1.72    1.70   34.93   27.94    17.1   0.089  1461.7
 300.0    1.66    1.64   34.94   27.95    16.3   0.091  1461.6
 310.0    1.65    1.63   34.93   27.95    16.5   0.093  1461.8
 320.0    1.61    1.59   34.93   27.95    16.3   0.094  1461.7
 330.0    1.58    1.56   34.95   27.96    15.0   0.096  1461.8
 340.0    1.52    1.50   34.94   27.96    15.1   0.098  1461.7
 350.0    1.47    1.46   34.95   27.97    14.0   0.099  1461.7
 360.0    1.45    1.43   34.94   27.97    14.2   0.100  1461.7
 370.0    1.39    1.37   34.94   27.97    14.4   0.102  1461.6
 380.0    1.33    1.31   34.94   27.98    13.4   0.103  1461.5
 390.0    1.27    1.25   34.94   27.98    13.7   0.105  1461.4
 400.0    1.18    1.16   34.94   27.98    13.0   0.106  1461.2
 410.0    1.10    1.08   34.93   27.99    12.6   0.107  1461.0
 420.0    1.06    1.03   34.94   27.99    12.1   0.109  1460.9
 430.0    1.00    0.98   34.93   27.99    12.3   0.110  1460.9
 440.0    0.95    0.93   34.93   28.00    11.5   0.111  1460.8
 450.0    0.92    0.90   34.93   27.99    11.6   0.112  1460.8
 460.0    0.88    0.86   34.93   28.00    11.4   0.113  1460.8
 470.0    0.83    0.81   34.92   28.00    11.5   0.115  1460.8
 480.0    0.79    0.76   34.92   27.99    11.5   0.116  1460.7
 490.0    0.76    0.73   34.93   28.00    10.6   0.117  1460.8
 499.0    0.71    0.69   34.92   28.00    10.8   0.118  1460.7
```

```
 FRAM 3  STATION 190(1) CTD    6/MAY/1981 1715 GMT  CODE = 5
LAT = 81.3517N LNG =    5.2267E LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.84   -1.84   34.30   27.61    47.0   0.000  1439.7
   4.0   -1.84   -1.84   34.30   27.61    47.0   0.002  1439.8
   5.0   -1.84   -1.84   34.30   27.61    47.0   0.002  1439.8
  10.0   -1.84   -1.84   34.29   27.60    47.7   0.005  1439.9
  15.0   -1.84   -1.84   34.29   27.60    47.4   0.007  1440.0
  20.0   -1.84   -1.84   34.28   27.59    48.5   0.010  1440.1
  25.0   -1.84   -1.84   34.29   27.60    47.7   0.012  1440.2
  30.0   -1.83   -1.83   34.28   27.60    47.7   0.014  1440.3
  35.0   -1.83   -1.83   34.28   27.60    47.9   0.017  1440.4
  40.0   -1.83   -1.83   34.27   27.59    48.7   0.019  1440.4
  45.0   -1.83   -1.83   34.29   27.60    47.3   0.022  1440.6
  50.0   -1.77   -1.77   34.28   27.59    48.4   0.024  1440.9
  55.0   -1.57   -1.57   34.28   27.59    48.7   0.027  1441.9
  60.0   -1.31   -1.31   34.32   27.62    46.2   0.029  1443.3
  65.0   -1.15   -1.15   34.36   27.64    44.2   0.031  1444.2
  70.0   -0.84   -0.85   34.38   27.64    43.6   0.033  1445.7
  75.0   -0.22   -0.22   34.44   27.67    41.6   0.036  1448.8
  80.0    0.00    0.00   34.54   27.74    34.8   0.038  1450.0
  85.0    0.19    0.19   34.57   27.75    33.5   0.039  1451.0
  90.0    0.45    0.45   34.63   27.78    30.6   0.041  1452.3
  95.0    0.65    0.64   34.64   27.78    31.0   0.042  1453.3
 100.0    0.85    0.85   34.69   27.81    28.2   0.044  1454.4
 110.0    1.05    1.04   34.74   27.83    26.3   0.047  1455.5
 120.0    1.18    1.18   34.77   27.85    24.5   0.049  1456.3
 130.0    1.32    1.31   34.79   27.86    23.9   0.052  1457.1
 140.0    1.50    1.50   34.85   27.89    21.2   0.054  1458.2
 150.0    1.59    1.58   34.86   27.89    20.9   0.056  1458.8
 160.0    1.68    1.68   34.88   27.90    19.9   0.058  1459.4
 170.0    1.74    1.74   34.90   27.91    18.9   0.060  1459.8
 180.0    1.83    1.82   34.91   27.91    19.0   0.062  1460.4
 190.0    1.86    1.85   34.93   27.93    17.6   0.064  1460.7
 200.0    1.88    1.87   34.92   27.92    18.9   0.066  1460.9
 210.0    2.02    2.01   34.95   27.93    17.7   0.068  1461.8
 220.0    2.06    2.05   34.96   27.94    17.3   0.069  1462.1
 230.0    2.13    2.11   34.98   27.94    16.6   0.071  1462.6
 240.0    2.13    2.12   34.98   27.94    16.6   0.073  1462.8
 250.0    2.12    2.10   34.99   27.95    16.1   0.074  1462.9
 260.0    2.05    2.04   34.99   27.96    15.6   0.076  1462.8
 270.0    1.94    1.93   34.99   27.97    14.6   0.078  1462.5
 280.0    1.82    1.80   34.98   27.97    13.8   0.079  1462.1
 290.0    1.76    1.75   34.95   27.95    15.7   0.081  1462.0
 300.0    1.73    1.72   34.95   27.95    15.7   0.082  1462.0
 310.0    1.78    1.76   34.97   27.97    14.5   0.084  1462.4
 320.0    1.79    1.77   34.98   27.97    14.4   0.085  1462.6
 330.0    1.71    1.69   34.97   27.97    14.2   0.087  1462.4
 340.0    1.66    1.64   34.97   27.97    14.3   0.088  1462.3
 350.0    1.60    1.58   34.97   27.98    13.8   0.089  1462.2
 360.0    1.50    1.48   34.96   27.98    13.5   0.091  1462.0
 370.0    1.44    1.42   34.97   27.99    12.7   0.092  1461.9
 380.0    1.38    1.36   34.95   27.98    13.1   0.093  1461.7
 390.0    1.30    1.28   34.97   28.00    11.6   0.095  1461.6
 400.0    1.28    1.26   34.94   27.98    13.0   0.096  1461.6
 410.0    1.27    1.25   34.96   28.00    11.6   0.097  1461.8
 420.0    1.35    1.33   34.96   27.99    12.6   0.098  1462.3
 430.0    1.38    1.35   34.96   27.99    12.6   0.100  1462.6
 440.0    1.39    1.37   34.97   28.00    11.9   0.101  1462.8
 450.0    1.37    1.35   34.97   27.99    12.3   0.102  1462.9
 460.0    1.34    1.31   34.96   27.99    12.3   0.103  1462.9
 470.0    1.26    1.23   34.97   28.01    11.1   0.105  1462.7
 480.0    1.16    1.13   34.98   28.02     9.8   0.106  1462.5
 490.0    1.00    0.97   34.95   28.01    10.5   0.107  1461.9
 496.0    0.96    0.94   34.93   28.00    11.7   0.107  1461.8
```



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(DEG C) -2 -1 0 1 2 3 4 5 6
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200
300
(M)
400
500
600
700
T
S
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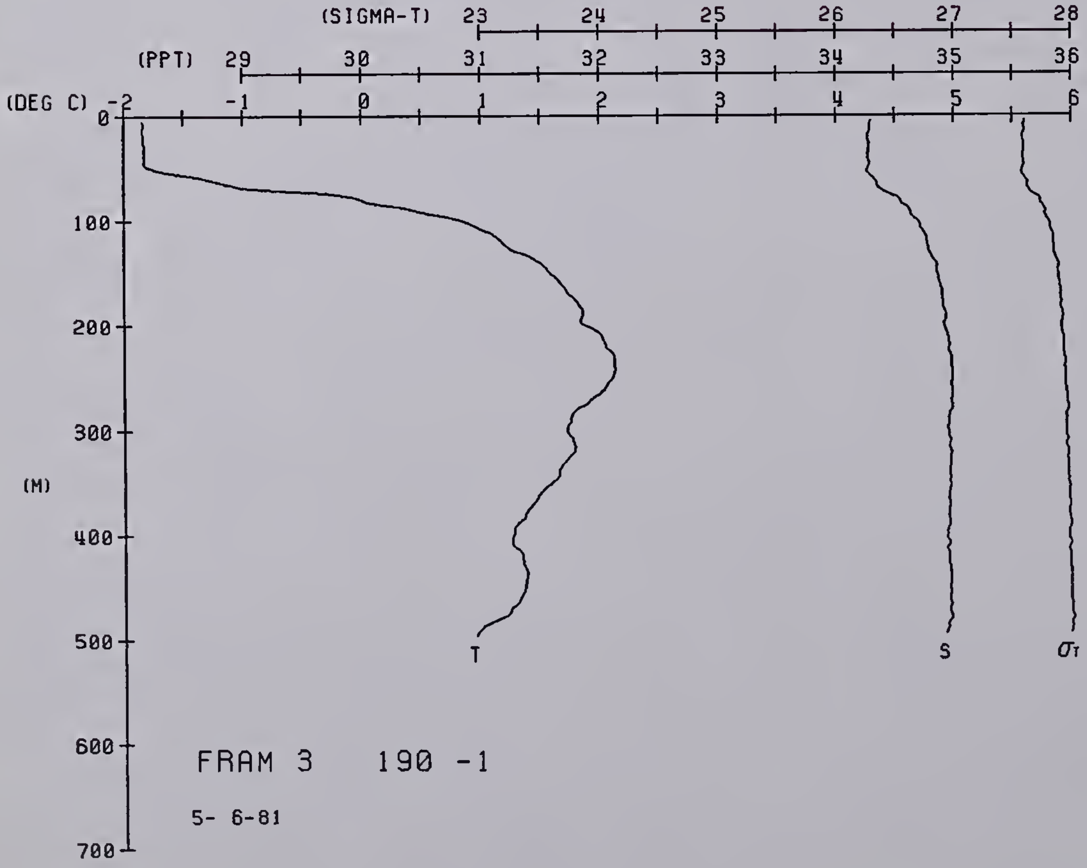
FRAM 3 189 -1
5- 6-81



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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
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FRAM 3 190 -1
5- 6-81

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 FRAM 3  STATION 191(1) CTD   7/MAY/1981 1042 GMT  CODE = 5
LAT = 81.7140N LNG =   3.5020E LTER =    30. LGER =    30.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.85   -1.85   34.15   27.49    58.2   0.000  1439.5
   4.0   -1.85   -1.85   34.15   27.49    58.2   0.002  1439.6
   5.0   -1.85   -1.85   34.16   27.50    57.7   0.003  1439.6
  10.0   -1.86   -1.86   34.16   27.50    57.0   0.006  1439.6
  15.0   -1.86   -1.86   34.16   27.50    57.6   0.009  1439.7
  20.0   -1.86   -1.86   34.15   27.49    58.2   0.012  1439.8
  25.0   -1.86   -1.86   34.16   27.50    57.3   0.015  1439.9
  30.0   -1.86   -1.86   34.16   27.50    57.4   0.018  1440.0
  35.0   -1.85   -1.85   34.17   27.51    56.5   0.020  1440.1
  40.0   -1.85   -1.85   34.17   27.50    56.7   0.023  1440.2
  45.0   -1.84   -1.84   34.17   27.51    56.2   0.026  1440.3
  50.0   -1.78   -1.79   34.18   27.51    55.7   0.029  1440.7
  55.0   -1.67   -1.67   34.19   27.52    54.9   0.032  1441.3
  60.0   -1.51   -1.51   34.23   27.54    52.9   0.034  1442.2
  65.0   -1.25   -1.25   34.25   27.55    52.1   0.037  1443.6
  70.0   -0.81   -0.81   34.31   27.59    48.7   0.040  1445.8
  75.0   -0.64   -0.65   34.37   27.63    45.3   0.042  1446.7
  80.0   -0.48   -0.49   34.39   27.64    43.9   0.044  1447.6
  85.0   -0.28   -0.28   34.44   27.66    41.7   0.046  1448.7
  90.0   -0.16   -0.16   34.46   27.68    40.3   0.048  1449.3
  95.0   -0.11   -0.12   34.48   27.69    38.9   0.050  1449.6
 100.0   -0.01   -0.02   34.50   27.70    38.4   0.052  1450.2
 110.0    0.35    0.35   34.58   27.75    33.7   0.056  1452.1
 120.0    0.56    0.55   34.61   27.76    33.0   0.059  1453.3
 130.0    0.81    0.81   34.66   27.78    30.7   0.063  1454.7
 140.0    1.17    1.17   34.72   27.81    28.4   0.066  1456.5
 150.0    1.43    1.42   34.77   27.83    26.5   0.068  1457.9
 160.0    1.74    1.73   34.82   27.85    25.0   0.071  1459.5
 170.0    1.95    1.94   34.86   27.87    23.6   0.073  1460.7
 180.0    2.01    2.00   34.87   27.87    23.6   0.076  1461.1
 190.0    1.99    1.98   34.88   27.88    22.5   0.078  1461.2
 200.0    2.03    2.02   34.88   27.87    22.9   0.081  1461.5
 210.0    2.10    2.08   34.91   27.89    21.2   0.083  1462.0
 220.0    2.05    2.04   34.92   27.90    20.3   0.085  1462.0
 230.0    2.04    2.03   34.91   27.90    21.2   0.087  1462.1
 240.0    2.03    2.02   34.92   27.90    20.4   0.089  1462.3
 250.0    2.07    2.05   34.93   27.91    19.6   0.091  1462.6
 260.0    1.95    1.94   34.92   27.91    19.9   0.093  1462.2
 270.0    1.99    1.98   34.93   27.91    19.6   0.095  1462.6
 280.0    1.83    1.81   34.93   27.93    18.1   0.097  1462.0
 290.0    1.80    1.79   34.92   27.92    19.0   0.099  1462.1
 300.0    1.79    1.77   34.92   27.92    18.7   0.101  1462.2
 310.0    1.74    1.72   34.92   27.93    17.9   0.103  1462.1
 320.0    1.71    1.69   34.93   27.94    17.6   0.104  1462.2
 330.0    1.69    1.67   34.92   27.93    18.0   0.106  1462.3
 340.0    1.64    1.62   34.92   27.94    17.6   0.108  1462.2
 350.0    1.63    1.61   34.92   27.94    17.3   0.110  1462.3
 360.0    1.56    1.54   34.93   27.95    16.4   0.111  1462.2
 370.0    1.47    1.45   34.91   27.94    17.1   0.113  1461.9
 380.0    1.37    1.35   34.91   27.95    16.2   0.115  1461.7
 390.0    1.34    1.32   34.91   27.95    16.3   0.117  1461.7
 400.0    1.30    1.28   34.91   27.96    15.5   0.118  1461.7
 410.0    1.25    1.23   34.91   27.95    15.7   0.120  1461.6
 420.0    1.18    1.16   34.91   27.96    14.9   0.121  1461.5
 430.0    1.10    1.08   34.91   27.97    14.2   0.123  1461.3
 440.0    1.04    1.02   34.91   27.97    14.0   0.124  1461.2
 450.0    0.97    0.95   34.90   27.97    14.1   0.126  1461.0
 460.0    0.93    0.91   34.90   27.97    14.3   0.127  1461.0
 470.0    0.87    0.85   34.90   27.98    13.3   0.128  1460.9
 480.0    0.86    0.83   34.89   27.97    14.0   0.130  1461.0
 490.0    0.82    0.80   34.90   27.98    13.3   0.131  1461.0
 500.0    0.75    0.73   34.90   27.98    12.9   0.132  1460.9
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 FRAM 3  STATION 192(1) CTD   7/MAY/1981 1350 GMT  CODE = 5
LAT = 82.0167N LNG =   0.0717E LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.78   -1.78   33.40   26.88   116.1   0.000  1438.8
  4.0   -1.78   -1.78   33.40   26.88   116.1   0.005  1438.8
  5.0   -1.78   -1.78   33.41   26.88   115.8   0.006  1438.9
 10.0   -1.78   -1.79   33.41   26.89   115.0   0.012  1438.9
 15.0   -1.80   -1.80   33.42   26.90   114.5   0.018  1439.0
 20.0   -1.82   -1.82   33.46   26.93   111.2   0.023  1439.0
 25.0   -1.82   -1.82   33.53   26.99   105.7   0.029  1439.2
 30.0   -1.81   -1.81   33.64   27.08    97.2   0.034  1439.5
 35.0   -1.82   -1.82   33.75   27.16    89.2   0.039  1439.6
 40.0   -1.82   -1.82   33.79   27.20    85.4   0.043  1439.8
 45.0   -1.81   -1.81   33.86   27.25    80.3   0.047  1440.0
 50.0   -1.79   -1.79   33.92   27.30    75.6   0.051  1440.3
 55.0   -1.79   -1.79   33.99   27.36    70.6   0.055  1440.5
 60.0   -1.78   -1.78   34.03   27.39    67.4   0.058  1440.6
 65.0   -1.75   -1.75   34.07   27.42    64.4   0.062  1440.9
 70.0   -1.79   -1.79   34.11   27.45    61.3   0.065  1440.9
 75.0   -1.80   -1.80   34.10   27.45    61.4   0.068  1440.9
 80.0   -1.68   -1.69   34.11   27.46    61.1   0.071  1441.6
 85.0   -1.57   -1.57   34.16   27.49    57.8   0.074  1442.2
 90.0   -1.40   -1.40   34.19   27.51    55.9   0.077  1443.2
 95.0   -1.28   -1.28   34.26   27.57    50.7   0.080  1443.9
100.0   -1.19   -1.19   34.29   27.58    49.3   0.082  1444.4
110.0   -0.99   -0.99   34.35   27.63    44.8   0.087  1445.7
120.0   -0.68   -0.68   34.42   27.67    41.0   0.091  1447.3
130.0   -0.24   -0.24   34.49   27.71    37.4   0.095  1449.6
140.0    0.28    0.28   34.59   27.76    33.1   0.099  1452.3
150.0    0.65    0.64   34.63   27.77    32.0   0.102  1454.2
160.0    1.45    1.44   34.75   27.81    28.2   0.105  1458.1
170.0    1.73    1.72   34.81   27.84    26.1   0.108  1459.6
180.0    2.02    2.01   34.87   27.87    23.5   0.110  1461.1
190.0    2.12    2.11   34.87   27.86    24.3   0.113  1461.7
200.0    2.21    2.20   34.88   27.86    24.3   0.115  1462.3
210.0    2.25    2.24   34.90   27.87    23.6   0.118  1462.7
220.0    2.29    2.28   34.91   27.88    22.9   0.120  1463.1
230.0    2.17    2.16   34.91   27.89    21.8   0.122  1462.7
240.0    2.13    2.12   34.90   27.88    22.7   0.124  1462.7
250.0    2.18    2.17   34.92   27.89    21.5   0.127  1463.1
260.0    2.15    2.14   34.92   27.90    21.3   0.129  1463.1
270.0    2.16    2.14   34.92   27.90    21.5   0.131  1463.3
280.0    2.19    2.17   34.94   27.91    20.5   0.133  1463.6
290.0    2.16    2.15   34.93   27.90    21.0   0.135  1463.7
300.0    2.15    2.14   34.94   27.91    20.1   0.137  1463.8
310.0    2.19    2.17   34.94   27.91    20.7   0.139  1464.1
320.0    2.19    2.18   34.94   27.91    20.3   0.141  1464.3
330.0    2.18    2.16   34.95   27.91    20.0   0.144  1464.4
340.0    2.19    2.17   34.95   27.91    20.1   0.146  1464.7
350.0    2.11    2.09   34.94   27.91    20.1   0.148  1464.5
360.0    2.12    2.10   34.95   27.92    19.6   0.150  1464.7
370.0    2.07    2.05   34.95   27.92    19.3   0.152  1464.6
380.0    2.09    2.06   34.95   27.93    18.9   0.153  1464.9
390.0    2.01    1.98   34.95   27.93    18.9   0.155  1464.7
400.0    1.89    1.87   34.94   27.93    18.6   0.157  1464.3
410.0    1.79    1.76   34.94   27.94    17.7   0.159  1464.0
420.0    1.73    1.70   34.92   27.93    18.4   0.161  1463.9
430.0    1.62    1.60   34.92   27.94    17.7   0.163  1463.6
440.0    1.60    1.57   34.93   27.94    17.1   0.165  1463.7
450.0    1.59    1.56   34.92   27.94    17.4   0.166  1463.8
460.0    1.49    1.47   34.93   27.95    16.2   0.168  1463.5
470.0    1.41    1.38   34.91   27.94    17.0   0.170  1463.3
480.0    1.30    1.27   34.91   27.95    16.3   0.171  1463.0
490.0    1.21    1.18   34.91   27.96    15.8   0.173  1462.7
500.0    1.11    1.08   34.89   27.95    16.0   0.175  1462.5
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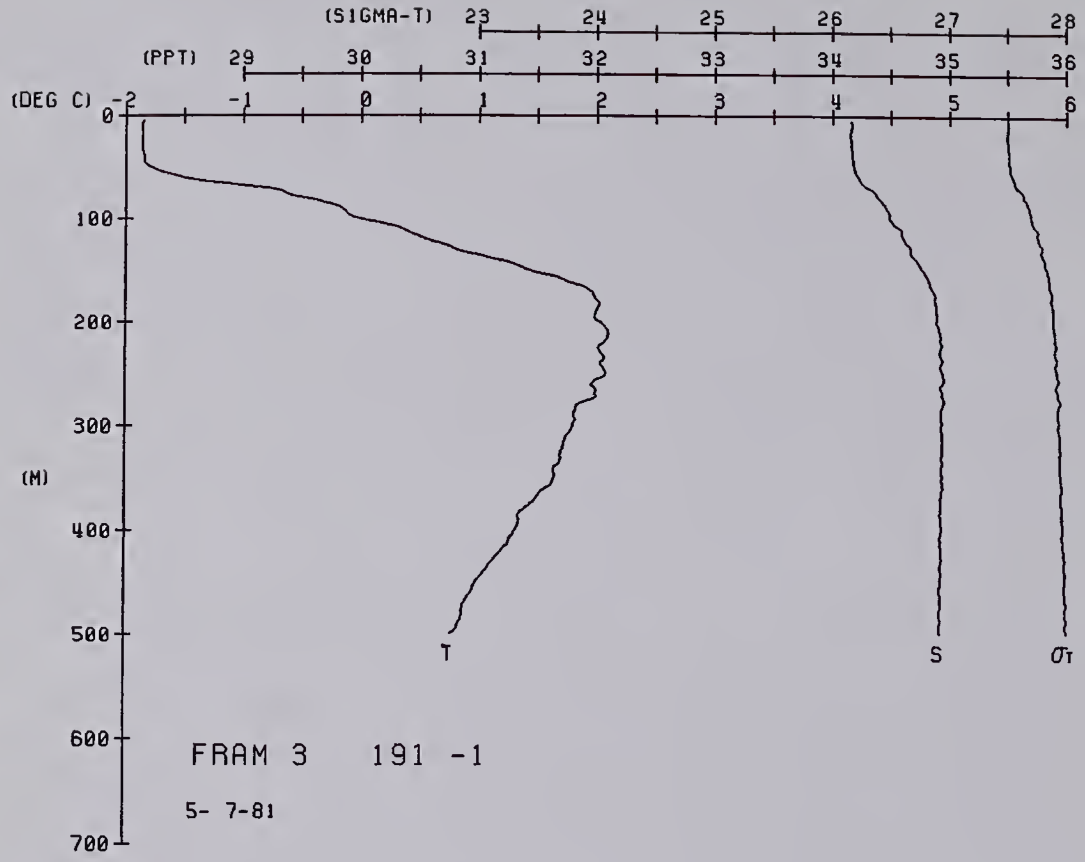
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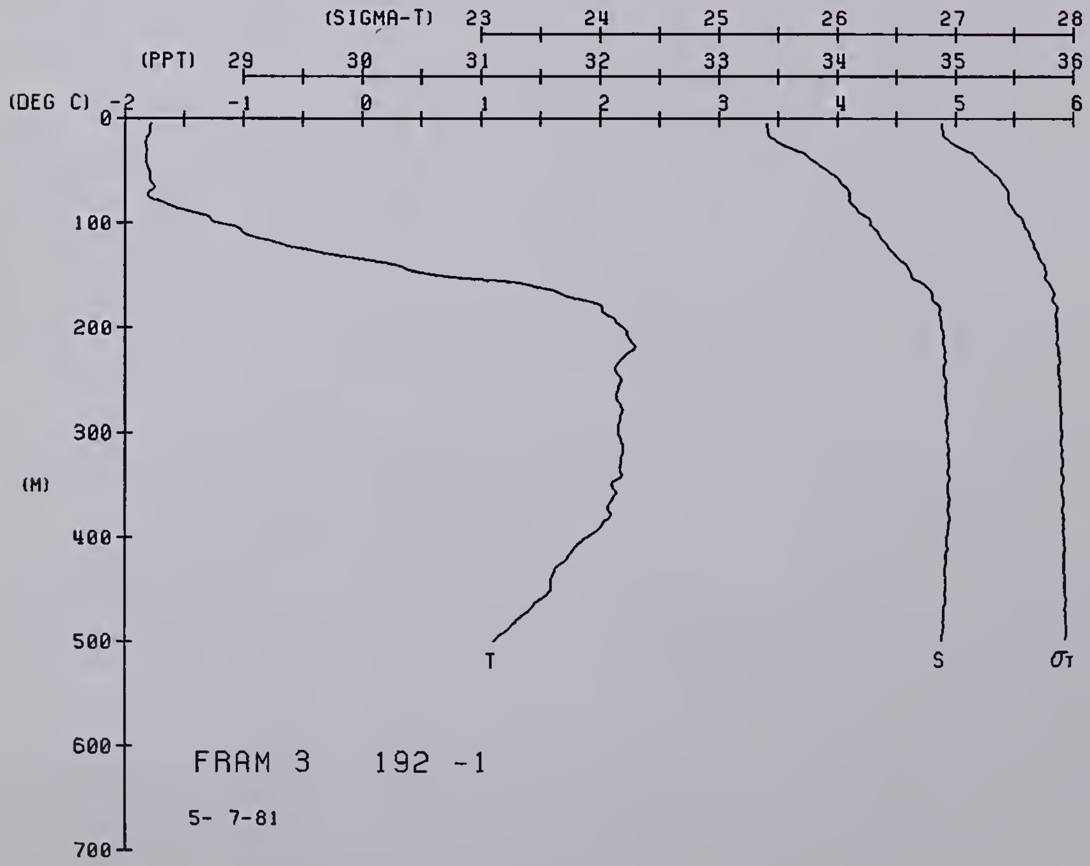
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   4.0  -1.77  -1.77   32.30   25.98   201.2   0.008   1437.3
   5.0  -1.77  -1.77   32.30   25.98   201.2   0.010   1437.3
  10.0  -1.77  -1.78   32.30   25.99   201.0   0.020   1437.4
  15.0  -1.77  -1.77   32.33   26.01   198.6   0.030   1437.6
  20.0  -1.74  -1.74   32.65   26.27   173.9   0.040   1438.2
  25.0  -1.76  -1.76   32.99   26.55   147.6   0.048   1438.7
  30.0  -1.74  -1.74   33.16   26.68   134.4   0.055   1439.1
  35.0  -1.71  -1.71   33.35   26.84   120.1   0.062   1439.6
  40.0  -1.71  -1.71   33.48   26.94   110.1   0.067   1439.9
  45.0  -1.72  -1.72   33.61   27.05   100.2   0.073   1440.1
  50.0  -1.73  -1.73   33.72   27.14    91.3   0.078   1440.3
  55.0  -1.72  -1.72   33.80   27.21    84.8   0.082   1440.5
  60.0  -1.72  -1.72   33.88   27.27    78.7   0.086   1440.7
  65.0  -1.76  -1.76   33.94   27.32    74.0   0.090   1440.7
  70.0  -1.75  -1.75   34.01   27.37    68.8   0.094   1440.9
  75.0  -1.68  -1.68   34.07   27.42    64.7   0.097   1441.4
  80.0  -1.70  -1.70   34.13   27.47    59.9   0.100   1441.5
  85.0  -1.78  -1.78   34.15   27.49    57.6   0.103   1441.2
  90.0  -1.71  -1.71   34.17   27.51    56.4   0.106   1441.7
  95.0  -1.58  -1.58   34.22   27.54    53.4   0.109   1442.4
 100.0  -1.46  -1.46   34.25   27.56    51.3   0.111   1443.1
 110.0  -1.23  -1.24   34.33   27.62    45.8   0.116   1444.5
 120.0  -0.93  -0.93   34.38   27.65    42.6   0.121   1446.1
 130.0  -0.38  -0.38   34.49   27.71    37.3   0.125   1449.0
 140.0   0.15   0.15   34.58   27.76    32.9   0.128   1451.7
 150.0   0.79   0.78   34.67   27.79    30.1   0.132   1454.9
 160.0   1.38   1.37   34.78   27.84    25.3   0.134   1457.9
 170.0   1.87   1.86   34.86   27.87    22.9   0.137   1460.3
 180.0   1.95   1.94   34.87   27.87    22.9   0.139   1460.8
 190.0   1.98   1.97   34.89   27.89    21.8   0.141   1461.1
 200.0   2.01   1.99   34.90   27.89    21.3   0.144   1461.5
 210.0   2.02   2.01   34.91   27.90    20.9   0.146   1461.7
 220.0   2.07   2.06   34.90   27.89    21.8   0.148   1462.1
 230.0   2.06   2.05   34.91   27.90    21.0   0.150   1462.2
 240.0   2.07   2.06   34.91   27.90    21.2   0.152   1462.4
 250.0   2.13   2.12   34.92   27.90    21.0   0.154   1462.9
 260.0   2.15   2.14   34.94   27.91    20.2   0.156   1463.1
 270.0   2.16   2.14   34.94   27.91    19.7   0.158   1463.4
 280.0   2.14   2.13   34.95   27.92    19.2   0.160   1463.5
 290.0   2.13   2.12   34.94   27.92    19.5   0.162   1463.6
 300.0   2.15   2.14   34.95   27.92    19.1   0.164   1463.8
 310.0   2.14   2.12   34.96   27.93    18.6   0.166   1464.0
 320.0   2.13   2.11   34.96   27.93    18.8   0.168   1464.1
 330.0   2.13   2.12   34.96   27.93    18.9   0.170   1464.3
 340.0   2.14   2.12   34.97   27.93    18.2   0.172   1464.5
 350.0   2.14   2.12   34.96   27.93    18.9   0.174   1464.6
 360.0   2.12   2.10   34.97   27.94    18.1   0.176   1464.7
 370.0   2.08   2.06   34.97   27.94    17.9   0.177   1464.7
 380.0   2.07   2.05   34.97   27.94    17.5   0.179   1464.8
 390.0   2.05   2.03   34.97   27.94    17.4   0.181   1464.9
 400.0   2.03   2.00   34.97   27.94    17.6   0.183   1465.0
 410.0   1.98   1.96   34.97   27.95    17.3   0.185   1464.9
 420.0   1.95   1.93   34.97   27.95    16.7   0.186   1465.0
 430.0   1.88   1.86   34.96   27.95    16.7   0.188   1464.8
 440.0   1.83   1.80   34.96   27.96    16.4   0.190   1464.7
 450.0   1.80   1.77   34.96   27.95    16.5   0.191   1464.8
 460.0   1.78   1.75   34.95   27.95    17.1   0.193   1464.8
 470.0   1.76   1.73   34.95   27.95    16.5   0.195   1464.9
 480.0   1.69   1.66   34.96   27.96    15.5   0.196   1464.8
 490.0   1.62   1.59   34.95   27.96    15.7   0.198   1464.6
 500.0   1.59   1.56   34.94   27.95    16.5   0.199   1464.7
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   5.0  -1.69  -1.69   30.72   24.70   323.3   0.016   1435.5
  10.0  -1.69  -1.69   30.71   24.69   323.8   0.033   1435.6
  15.0  -1.69  -1.69   30.72   24.70   323.5   0.049   1435.7
  20.0  -1.69  -1.69   30.72   24.70   322.8   0.065   1435.8
  25.0  -1.69  -1.69   30.72   24.70   322.9   0.082   1435.8
  30.0  -1.69  -1.69   30.72   24.70   322.9   0.098   1435.9
  35.0  -1.68  -1.69   30.73   24.70   322.5   0.114   1436.0
  40.0  -1.68  -1.69   30.72   24.70   323.0   0.131   1436.1
  45.0  -1.68  -1.69   31.00   24.93   301.0   0.146   1436.6
  50.0  -1.68  -1.69   32.17   25.88   210.7   0.159   1438.3
  55.0  -1.68  -1.68   32.59   26.22   178.5   0.169   1439.0
  60.0  -1.65  -1.65   32.76   26.36   165.1   0.178   1439.5
  65.0  -1.65  -1.65   32.98   26.54   148.1   0.186   1439.9
  70.0  -1.63  -1.63   33.13   26.66   136.5   0.193   1440.3
  75.0  -1.60  -1.60   33.32   26.81   122.5   0.200   1440.7
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 100.0  -1.72  -1.72   33.92   27.30    75.8   0.224   1441.5
 110.0  -1.53  -1.53   34.04   27.40    66.5   0.231   1442.7
 120.0  -1.46  -1.46   34.15   27.48    58.5   0.238   1443.3
 130.0  -1.41  -1.41   34.24   27.55    51.5   0.243   1443.9
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 150.0  -1.03  -1.04   34.36   27.64    43.7   0.253   1446.1
 160.0  -0.77  -0.78   34.44   27.69    39.1   0.257   1447.6
 170.0  -0.55  -0.55   34.49   27.72    36.1   0.261   1448.9
 180.0  -0.31  -0.32   34.53   27.74    34.2   0.264   1450.2
 190.0  -0.07  -0.08   34.59   27.78    30.7   0.268   1451.6
 200.0   0.20   0.19   34.64   27.80    28.8   0.271   1453.0
 210.0   0.40   0.39   34.69   27.83    25.9   0.273   1454.2
 220.0   0.75   0.74   34.73   27.85    24.7   0.276   1456.0
 230.0   0.86   0.85   34.77   27.87    22.6   0.278   1456.7
 240.0   0.96   0.95   34.81   27.90    20.4   0.281   1457.3
 250.0   1.15   1.14   34.84   27.90    19.8   0.283   1458.4
 260.0   1.36   1.35   34.89   27.93    17.6   0.284   1459.6
 270.0   1.36   1.35   34.90   27.94    16.6   0.286   1459.8
 280.0   1.26   1.25   34.90   27.95    16.1   0.288   1459.5
 290.0   1.07   1.05   34.89   27.95    15.6   0.289   1458.8
 300.0   1.11   1.10   34.89   27.95    15.5   0.291   1459.1
 310.0   1.14   1.12   34.91   27.96    14.4   0.293   1459.5
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 350.0   1.00   0.98   34.92   27.98    12.9   0.298   1459.5
 360.0   0.94   0.92   34.91   27.98    13.0   0.299   1459.4
 370.0   0.78   0.76   34.89   27.97    13.2   0.301   1458.8
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 390.0   0.83   0.81   34.90   27.97    13.5   0.303   1459.4
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 420.0   0.88   0.86   34.92   27.99    12.0   0.307   1460.1
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 450.0   0.79   0.77   34.91   27.98    12.4   0.311   1460.2
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 470.0   0.76   0.74   34.91   27.99    12.3   0.314   1460.4
 480.0   0.77   0.75   34.92   27.99    11.7   0.315   1460.6
 490.0   0.75   0.73   34.92   28.00    11.4   0.316   1460.7
 500.0   0.74   0.72   34.92   28.00    11.1   0.317   1460.8
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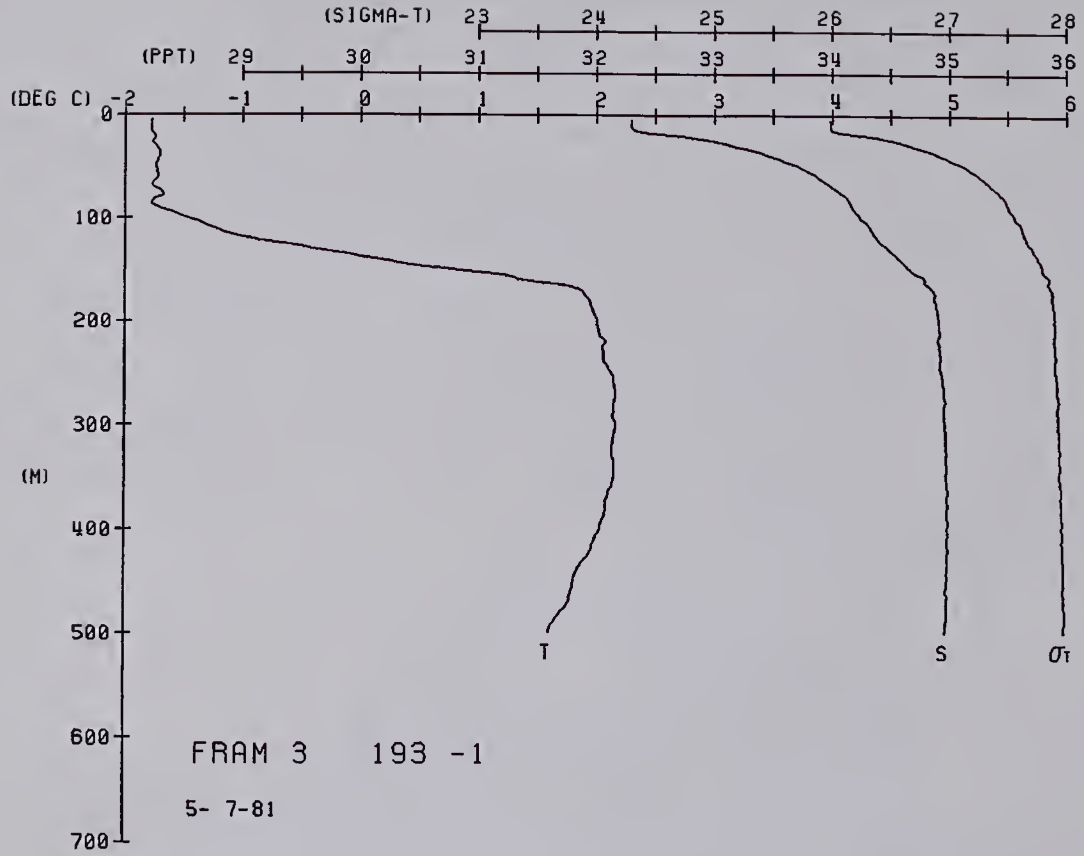
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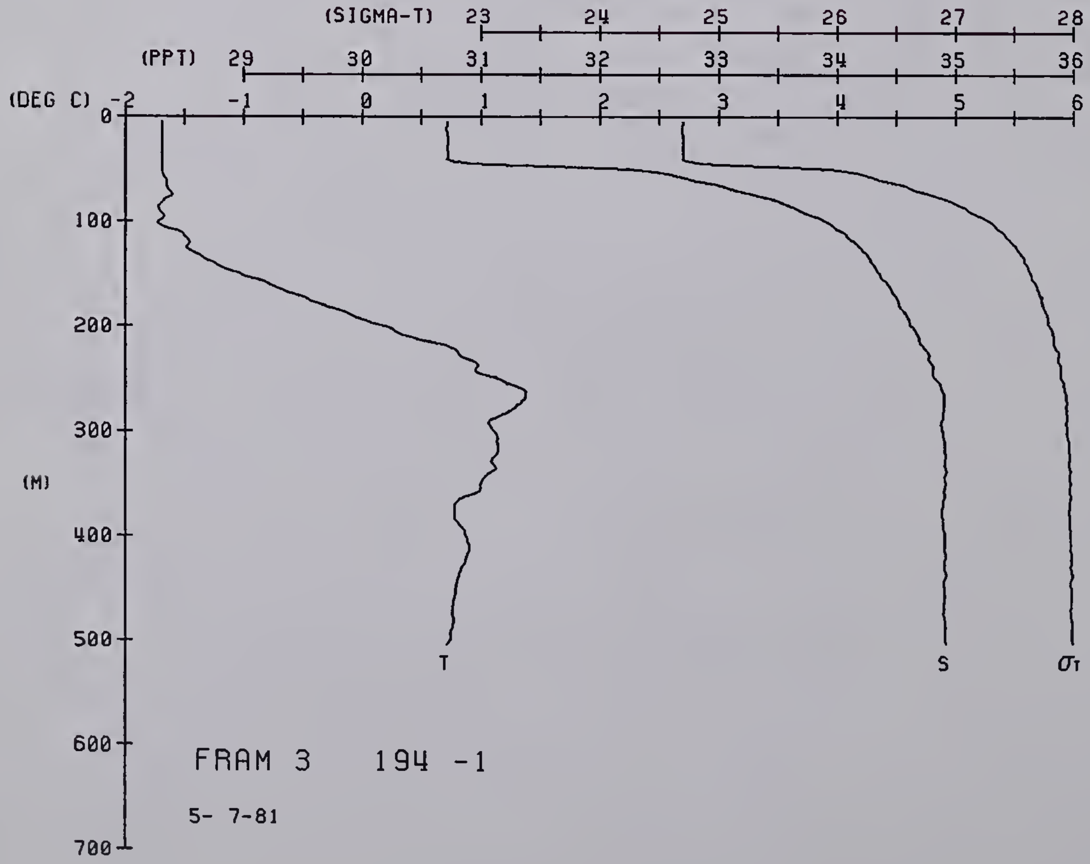
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7. AUTHOR(s) T. O. Manley and Dennis B. Camp		8. CONTRACT OR GRANT NUMBER(s) N00014-84-C-0132
9. PERFORMING ORGANIZATION NAME AND ADDRESS Lamont-Doherty Geological Observatory of Columbia University Palisades, New York 10964-0190		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
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FRAM III, Fram Strait, STD Profiles, Arctic Ocean

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

During the spring of 1981, a manned camp was established on a drifting ice floe north of Spitzbergen. During the 61 days of occupation, the Arctic Oceanography Department of Lamont-Doherty Geological Observatory obtained a total of 194 STD stations from the combined efforts of personnel in charge of camp-based and helicopter-based operations. This report describes the methods used in the acquisition and processing of the data and provides output for each cast.

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The output consists of standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity, along with corresponding profiles of temperature, salinity and sigma-t.